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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
Hominidae, Homo.
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
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Sequence 31968 from Patent WO0210449.
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Wethods and compositions for diagnosing or monitoring auto immune
and chronic inflammatory diseases
Patent: US 6905827-A 6385 14-JUN-2005;
Expression Diagnostics, Inc.; So. San Francisco, CA
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Mammalia, Butheria, Buarchontoglires, Primates, Catarrhini,
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1 (bases 1 to 50)
Wohlgemuth,J., Fry,K., Woodward,R. and Ly,N.
Wohlgemuth,J., Fry,K., Woodward,R. and Ly,N.
Methods and compositions for diagnosing or monitoring auto immune and chronic inflammatory diseases
Patent: US 6905827-A 80 14-JUN-2005;
Expression Diagnostics, Inc.; So. San Francisco, CA
Location/Qualifiers
                                                                                                                              1 (bases 1 to 50)
Moodward,R. and Ly,N.
Mollgemith,J.,Fry.K., Woodward,R. and Ly,N.
Methods and compositions for diagnosing or monitoring auto immune and chronic inflammatory diseases
Patent: US 6905827-A 6775 14-JUN-2005;
Expression Diagnostics, Inc.; So. San Francisco, CA
Location/Qualifiers
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      Sequence 6775 from patent US 6905827.
AR687346
AR687346.1 GI:74469116
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98.0%; Pred. No. 2.9;
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100.0%; Pred. No. 2.1
ive 0; Mismatches
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Sequence 80 from patent US 6905827.
AR680651.1 GI:74462421
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Sequence 82 from patent US 6905827.
AR680653
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/wol_type="genomic DNA"
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Best Local Similarity 100.
Matches 50, Conservative
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Unclassified.
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Matches 49; Conserv
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Moldgemth,J., Fry,K., Woodward,R. and Ly,N.
Moldgemth,J., Fry,K., Woodward,R. and Ly,N.
Methods and compositions for diagnosing or monitoring auto immune and chronic inflammatory diseases
Patent: US 6905827-A 2130 14-JUN-2005;
Expression Diagnostics, Inc.; So. San Francisco, CA
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Patent: US 6905827-A 82 14-JUN-2005;
Expression Diagnostics, Inc.; So. San Francisco, CA
Location/Qualifiers
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Unclassified.
Unclassified.
1 (bases 1 to 37)
Pickup.D.J., Patel,D. and Antczak,J.B.
Site-specific RNA cleavage
L Patent: US 5578468-A 44 26-NOV-1996;
Location/Qualifiers
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Local Similarity 98.0%; Pred. No. 2.9;
les 49; Conservative 0; Mismatches
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98.0%; Pred. No. 2.9;
tive 0; Mismatches
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 44 from patent US 5578468.
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Pred. No. 29;
                                                            /organism="unknown"
/wol_type="genomic DNA"
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Gaps

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Indels

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Length 37;

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bou/66 11-JAN-2002 18 bp DNA linear PAT 31-JAN-2002 Vector expressing full-length gene of RNA virus and utilization thereof.
                            Blanco, D.L., bernad Miana, A., dominguez Lopez, O. and garcia Diaz, M. Dna polymerase lambda and uses thereof Patent: WO 0125442-A 25 12-APR-2001; CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS (ES) Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MICHINORI OBARA, KYOKO OBARA, KAZUNARI TABIRA, JUNICHI MATSUZAKI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         other sequences; artificial sequences.

1 (bases 1 to 38)

Obara,M., Obara,K., Tabira,K., Matsuzaki,J. and Om,H.
Vector expressing full-length gene of RNA virus and utilization patent: JP 2000152793-A 19 06-JUN-2000;

TOXYO METROPOLITAN ORGANIZATION FOR MEDICAL RESEARCH, CHUGAI
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C12N15/09,A01K67/027,C12N5/10,C12Q1/70,C12N15/00,C12N5/00
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Location/Qualifiers

    .38
    forganism="synthetic construct"
/mol type="genomic DNA"
    /db_xref="taxon:32630"

                                                                                                                                 /organism="synthetic construct"
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Best Local Similarity 100.0%; Pred. No. 31;
Matches 35; Conservative 0; Mismatches (
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other sequences; artificial sequences.
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Sequence 6 from Patent WO9603528.
A48799
A48799.1 GI:2302466
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JP 2000152793-A/19
06-JUN-2000
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JP 2000152793-A/19.
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A48799
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                                                 PAT 13-DEC-2004
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                                                                                                                                                                                                      Kauppinen, S. and Jacobsen, N. Methods and systems for detection and isolation of a nucleotide
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="reaxon:32630"
/note="Anthraquinone - coupled capture probe"
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db xref="taxon:32630"
/noTe="Primer"
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Patent: WO 2004020575-A 29 11-MAR-2004;
Exigon A/S (DK)
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Sequence 29 from Patent WO2004020575.
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Sequence 3 from Patent WO2005044836.
CS097686.1 GI:66954094
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Matches 35; Conservative
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Length 38 0; Indels PAT 07-MAR-1997

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/organism="synthetic construct"
/mol_type="unassigned DNA"
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Multiplex ligatable probe amplification
Patent: US 6955901-A 7 18-OCT-2005;
De Luwe Hoek Octrooien B.V.; Amsterdam;
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Multiplex ligatable probe amplification
Patent: WO 0161033-A 7 23-AUG-2001;
Schouten, Johannes Petrus (NL)
Location/Qualifiers
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1.3%; Score 35; DB
Best Local Similarity 100.0%; Pred. No. 36;
Matches 35; Conservative 0; Mismatches
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/mol_type="unassigned DNA"
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/note="sequence 648"
                                                                                                                                                                                                                                                                               AR758351 43 bp
Sequence 7 from patent US 6955901.
AR758351 GI:83324061
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/organism="unknown"
/mol_type="genomic DNA"
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Sequence 7 from Patent WO0161033.
AX225198
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synthetic construct
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Matches 35; Conservative
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Mammalia, Butheria, Buarchontoglires, Primates, Catarrhini,
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Front tube furrow opener attachment
Patent: US 657426-A 7 01-OCT-2002;
Dutch Blacksmith Shop Ltd.; Saskatchewan;
                                                                                                                                                                                                                                                                                                                                                   1 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 35
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CQ820107
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                                                1 (bases 1 to 40)
Petrik, J., Allain, J. and Pearson, G.J.
OLIGONUCLEOTIDES AND THEIR USE
Extent: 400 9603528-A 6 08-FEB-1996;
LYNXVALE LTD (GB)
Other publication AU 3118395 960222.
                                                                                                                                                                                                                                                           Query Match
1.3%; Score 35; DB
Best Local Similarity 100.0%; Pred. No. 33;
Matches 35; Conservative 0; Mismatches
                                                                                                                                                                                                          /mol_type="unassigned DNA"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 7 from patent US 6457426.
AR232955.
AR232955.1 GI:27275302
                                                                                                                                                                         1. .40
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1. .40
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/mol_type="genomic DNA"
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              unidentified unclassified sequences.
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Homo sapiens
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BD011883
BD011883.1 GI:22092072
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Best Local Similarity 92.1<sup>†</sup>
Matches 35; Conservative
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           40 bp DNA linear PAT 17-JAI Method of detecting DNA polymorphism using mass spectrometry. BD170449 BD170449.1 GI:27876261
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Pred. No. 37;
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90.0%; Pred. No. 44;
trive 0; Mismatches 4;
                                                                                                                                                                                                                                                                                                                                 Unknown.
Unknown.
Unclassified.
3 1 (bases 1 to 36)
S Zhong, W., Hong Z. and Ferrari, E.
HCV replicase complexes
(AL Patent: US 6967075-A 2 22-NOV-2005;
Schering Corporation; Kenilworth, NJ
Location/Qualifiers
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Patent: WO 2004046382-A 469 03-JUN-2004;
Diagenic AS (NO)
Location/Qualifiers
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                                         RNA
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1.2%; Score 34; DB
Best Local Similarity 100.0%; Pred. No. 37;
Matches 34; Conservative 0; Mismatches
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                                                                                                                                                                                                                             1. .36
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                                      36 bp Sequence 2 from patent US 6967075.
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CQ820328.1 GI:48715732
                                                                               AR772099.1 GI:83347955
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synthetic construct
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Matches 36; Conservative
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BD170449
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CQ820328
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W0 0250307-A/4
27-JUN-2002
112-DEC-2001 JP 00P 378091
HIDETOSHI INOKO,GEN TAMIYA,KENJI NAKAJIMA,NAOKI KIMURA,RENPEI
                                                                                                                                                                                                                                                                                                                                                                   PI MINORU MORIKAWA, KOICHI OKAMOTO
C C1201/68,C12N15/09,G01N33/53,G01N27/62,G01N33/566,C12M1/00 CC
Description of Artificial Sequence:an artificially synthesized CC
DNA sequence
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SN Artificial Sequence
NN 0079280-A/13
PN W0 0079280-A/13
PD 28-DEC-2000
PF 22-JUN-2000 WO 2000JP004095
PR 22-JUN-1999 JP 99P 175928
PI NACKAZU TAKEDA, KATSURO NATORI, TATSUO MIYAMURA, KUNIO PI KANATA, TOSHINORI SATO,
PI SEIYA SATO
PC GOIN33/569,C12N15/40
CC
FH Key
other sequences; artificial sequences.

1 (bases 1 to 40)

Inoko,H., Tamiya,G., Nakajima,K., Kimura,N., Nagashima,R.,
Morikawa,M. and Okamoto, A.
Morikawa,M. and Okamoto, A.
Method of detecting DNA polymorphism using mass spectrometry
Patent: WO 0250307-A 4 27-JUN-2002;
CHUGAI PHARMACEUTICAL CO LTD,HIDETOSHI INOKO,GEN TAMIYA, KENJI
NAKAJIMA, NAOKI KIMURA,RENPEI NAGASHIMA,MINORU MORIKAWA,KOICHI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Patent: WO 0079280-A 13 28-DEC-2000;
JAPAN AS REPRESENTED BY DIRECTOR GE YOSHIHIKO HIROSE, MITSUAKI MORTGUCHI, KIMIYASU ISOBE DISEASES, DENKA SEIKEN CO LTD, NAOKAZU TAKEDA, KATSURO NATORI, TATSUO MIYAMURA, KUNIO KAMATA, TOSHINORI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Takeda, N., Natori, K., Miyamura, T., Kunio, Kamata, Sato, T. and
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Location/Qualifiers
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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synthetic construct
synthetic construct
other sequences; artificial sequences.
1 (bases I to 33)
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92.1%; Pred. No. 48;
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synthetic construct
synthetic construct
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Best Local Similarity 100.0
Matches 31; Conservative
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RESULT 27
CQ904031
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CQ987078
LOCUS
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CS084379
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// Organism="synthetic construct"
// Anol Lype="unassigned DNA"
// Ab Xref="texxon:32630"
// Inote="Description of Combined DNA/RNA Molecule: Synthetic Disponsible of Artificial Sequence: Synthetic oligonucleotide

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          Query Match
1.2%; Score 33; DB 1; Length 33;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 33; Conservative 0; Mismatches 0; Indels
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1 (bases 1 to 36)
Zhong, W., Hong, Z. and Ferrari, E.
HCV replicase complexes
Patent: US 6967075-A 3 22-NOV-2005;
Schering Corporation; Kenilworth, NJ
Location/Qualifiers
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synthetic construct
other sequences; artificial sequences.
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100.0%; Pred. No. 45;
ative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                36 bp
Sequence 3 from patent US 6967075.
AR772100
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Sequence 1 from Patent EP1489422.
CS053028
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Best Local Similarity 100.0
Matches 33; Conservative
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CS053028/c
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PAT 16-NOV-2004
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/organism="synthetic construct"
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/db xref="taxon:32630"
/note="Homopolymer tail with flexible linker for use with a capture probe"
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                                                                                                                                                                                           Linnen, J.M., Kacian, D.L., Nelson, N.C., Getman, D.K. and Vijaysr Compositions and methods for determining the presence of sars coronavirus in a sample at the sample determined the prospect of Sarbether WO 2004094675-A 39 04-NOV-2004; Gen-Probe Incorporated (US)
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/organism="synthetic construct"
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100.0%; Pred. No. 61;
:ive 0; Mismatches
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Sequence 41 from Patent WO2005003387.
CQ987078
CQ904031 33 bp DNA
Sequence 39 from Patent WO2004094675.
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                                                                                                                                                      other sequences; artificial sequences.
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synthetic construct
other sequences; artificial sequences.
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/db_xref="taxon:32630"
/noTe="Synthetic Construct"
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                                           CQ904031
CQ904031.1 GI:55785447
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REFERENCE AUTHORS

TITLE

JOURNAL

FEATURES

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Length 31;
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                                                                                                                                            Location/Qualifiers
                                                                                                                                                                          /organism='Unknown'
Location/Qualifiers
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Location/Qualifiers
                                                             27-JAN-2000 JP 2000019392
27-JAN-1999 US 09/288 402
NIRA SHA, JANET WALINTON NIRA PATEL
C12N15/09, C12Q1/68, C12N15/00
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; Pred. No. 62;
1; Mismatches
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1.1%; Score 30.6; D
Best Local Similarity 96.8%; Pred. No. 62;
Matches 30; Conservative 1; Mismatches
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/organism="unidentified"
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Gene composition and method.
BD002899
                                 JP 2000245487-A/563
12-SEP-2000
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Best Local Similarity 96.8%;
Matches 30; Conservative
AFIMETRICS INC
OS UNKNOWN
PN JP-SEP-2006
PF 27-JAN-2006
PR 27-JAN-1999
PI NIRA SHA, JI
PC C12N15/09, C
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BD002899
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A CLASS OF OLIGONUCLEOTIDES, THERAPEUTICALLY USEFUL AS ANTITUMOURAL
AGENTS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   PAT 12-MAR-1998
                                                                                                                                                                                                                         /nore="Polynucleotide having a 3' poly (dA)30 tail and a 5' poly (dT)3 flexible linker for use in a capture probe"
                                                              Weisburg, W.G. and Bungo, J.J.

Compositions, methods and kits for determining the presence of trichomonas vaginalis in a test sample
Patent: WO 2005031005-A 98 07-APR-2005;
Gen-Probe Incorporated (US)

Location/Qualifiers
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1.1%; Score 30.8; DB 1; Length 34;
Best Local Similarity 94.1%; Pred. No. 65;
Matches 32; Conservative 0; Mismatches 2; Indels
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100.0%; Pred. No. 61;
tive 0; Mismatches 0; Indels
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1 (bases 1 to 31)
Sha,N., walinton,J. and Patel,N.
Gene composition and method
Patent: JP 2000245487-A 563 12-SEP-2000;
                                                                                                                                                            1.33
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SAICOM S R L (IT)
Other publication IT M1952539 19970604
Other publication AU 1175497 19970627.
Location/Qualifiers
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                                  other sequences; artificial sequences.
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/mol_type="unassigned DNA"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                34 bp
Sequence 19 from Patent WO9720924.
A63578
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JP 2000245487-A/563.
unidentified
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    synthetic construct
synthetic construct
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nes 31; Conservative
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1 (Dases 1 to 31)
Sha,N., Walinton,J. and Patel,N.
Gene composition and method
Patent: JP 2000245487-A 568 12-SEP-2000;
AFIMETRICS INC
OS UNKNOWN
PD 2000245487-A/568
PD 12-SEP-2000
PP 27-JAN-2000 JP 2000019392
PP 27-JAN-1999 US 09/238.402
PI NIRA SHA,JANET WALINTON.NIRA PATEL
PC CI2N15/09,CI2Q1/68,CI2N15/00
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1 (bases 1 to 31)
Sha,N., Walinton,J. and Patel,N.
Gene composition and method
Patent: JP 2000245487-A 567 12-SEP-2000;
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    .31
    /organism='Unknown'

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12-SEP-2000
27-JAN-2000 JP 2000019392
27-JAN-1999 US 09/238.402
NIRA SHA,JANET WALINYON, NIRA PATEL
C12N15/09,C12Q1/68,C12N15/00
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/organism='Unknown'
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      1 TACTGCTGAAGAACRCCATTACCTGAGGCC 31
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Best Local Similarity 96.8%; Pred. No. 62;
Matches 30; Conservative 1; Mismatches

    .31
    /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

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                                                                                                                        Gene composition and method. BD002901
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BD002902
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JP 2000245487-A/568.
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unclassified sequences.

1 (bases I to 31)
Sha, N. Walinton, J. and Patel, N.
Gene composition and method
Patent: JP 200245487-A 565 12-SEP-2000;
AFINETICS INC
OS Unknown
PD 12-SEP-2000
PP 27-JAN-2000 JP 2000019392
PR 27-JAN-1999 US 09/238.402
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Location/Qualifiers
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96.8%; Pred. No. 62;
tive 1; Mismatches
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1.1%; Score 30.6; Di
Best Local Similarity 96.8%; Pred. No. 62;
Matches 30; Conservative 1; Mismatches

    .31
    /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

    .31
    /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

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BD002899.1 GI:18630860
JP 2000245487-A/565.
unidentified
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RESULT 37 BD002903 LOCUS

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AUTHORS TITLE JOURNAL

COMMENT

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unidentified
unclassified sequences.

1 (bases I to 30)
Mandrand, B., Cros, P., Delair, T., Charles, M., Erout, M. and Pichot, C.
REAGENT AND METHOD FOR THE DETECTION OF A NUCLEOTIDE SEQUENCE WITH
SIGNAL AMPLIFICATION
Patent: WO 9508000-A 9 23-MAR-1995;
BIO MERRIEUX (FR)
Other publication CA 2149315 950323
Other publication CA 2149315 950324.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Oerum, H. and Seeger, C. MILTIPLE DOUBLE STRANDED NUCLEIC ACIDS METHOP FOR RENERATING GA. 972.0068-A 3 05-JUN-1997; BOEHRINGER MANNHEIM GMBH (DE)
                                                                                                 Length 31;
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100.0%; Pred. No. 68;
tive 0; Mismatches
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1.1%; Score 30.6; D
Best Local Similarity 96.8%; Pred. No. 62;
Matches 30; Conservative 1; Mismatches

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    /db_xref="taxon:32644"

/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/db_xref="taxon:32644"
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/organism="unidentified"
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Sequence 3 from Patent WO9720068.
A62991
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Mammalia, Butheria, Buarchontoglires, Primates, Catarrhini,
                                                                                                                                                       Сарв
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Human single nucleotide polymorphisms
Patent: W0 0166800-A 1193 13-SEP-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                        DD002903.1 GI:18630864
Unidentified
Unidentified
Unidentified sequences.

1 (bases I to 31)
1 (bases I to 31)
Sha, N., Walinton, J. and Patel, N.
Gene composition and method
Patent: JP 200245487-A 569 12-SEP-2000;
AN JP 200245487-A 569 12-SEP-2000;
BN JP 200245487-A/569
PD 12-SEP-2000
PF 27-JAN-2000 JP 2000019392
PR 27-JAN-2000 JP 2000019392
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Sequence 1193 from Patent WO0166800.
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96.8%; Pred. No. 62;
tive 1; Mismatches
                                                                                                 1.1%; Score 30.6; D
96.8%; Pred. No. 62;
ative 1; Mismatches

    .31
    /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

       /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
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AX249114.1 GI:15863737
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Matches 30; Conservative
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1es 30; Conservative
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Query Match

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synthetic construct

Synthetic construct

Cher sequences; artificial sequences.

Chases to 30)

S Conrad,M.J. and Coutts,S.

Conrad,M.J. and Coutts,S.

Conjugates of biologically stable polymers and polynucleotides for treating systemic lupus erythematosus.

La JOLLA PHARMACEUTICAL CO.

S Artificial Sequence

N JP 2001354569-A/1

PD 25-DEC-2001,

PD 25-DEC-2001

PD 25-DEC-2001

PD 25-DEC-2001

PD 25-DEC-2001

PD 26-DEC-2001

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Method for generating multiple double stranded nucleic acids Patent: US 6326143-A 7 04-DEC-2001; Location/Qualifiers
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Location/Qualifiers
1. 30
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N Methods of nucleic acid detection.
BD13281.
BD13281.1 GI:23227796
JP 2002509443-A/2.
Synthetic construct
Synthetic construct
Other sequences, artificial sequences.
1 (bases 1 to 30)
Weisburg, W.G., Stull, P.D. and Reshatoff, M.R.
Methods of nucleic acid detection
Patent: JP 2002509443-A 2 26-MAR-2002;
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/mol_type="genomic DNA"
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100.0%; Pred. No. 68;
tive 0; Mismatches
                                                                                                      /organism="unknown"
/mol_type="unassigned DNA"
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METHOD FOR GENERATING MULTIPLE DOUBLE STRANDED NUCLEIC ACIDS
PATENT: WO 9720068-A 7 05-UTN-1997;
BOEHRINGER MANNHEIM GMBH (DE)
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Unknown.
Unclassified.
1 (Dases 1 to 30)
1 (Dases 1 to 30)
Orum H. and Seeger, C.
Method for generating multiple double stranded nucleic acids
Patent: US 6326143-A 3 04-DEC-2001;
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /mol_type="unassigned DNA"
/db_xref="taxon:32644"
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Sequence 3 from patent US 6326143.
AR179066 1 GI:20220621
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Sequence 7 from Patent WO9720068.
A62995
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30 ААААААААААААААААААААААА
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Orum, H. and Seeger, C.
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SOURCE ORGANISM

REFERENCE

ACCESSION VERSION KEYWORDS

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AUTHORS TITLE JOURNAL FEATURES

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804638 30 bp RNA linear PAT 29-SEP-1997 Synthesized Oligoribonucleotides of more than 20 mers. E04638
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Method for the detection and multiplex quantification of analytes
in a sample, using microspheres
Patent: WO 2004106928-A 3 09-DEC-2004;
Biocytex (FR)
                                                                                                                                                       of assaying nucleic acid
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Pred. No. 68;
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                                                                                                                        Tokudaga,T., Ishiguro,T. and Horie,R.
Novel fluorescent colorant and method or
Patent: JP 2002327130-A 2 15-NOV-2002;
TOSOH CORP
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                                                                         26-MAR-2002
30-OCT-1998 JP 1999526687
31-OCT-1997 US 60/063969
WILLIAM G WEISBURG, PAUL D STULL, MICHAEL R RESHATOFF PC
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JP 2002509443-A/2
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JP 2002327130-A/1.
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BD181359.1 GI:30792277
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1 (bases 1 to 30)
1 (bases 1 to 30)
Flownaga, T., Ishiguro, T. and Horie, R.
Fluorescent dye and method of measuring nucleic acid Patent: US 6743588-A 2 01-JUN-2004;
TOSOh Corporation; Shinnanyo;
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100.0%; Pred. No. 68;
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McGall,G.H. and Barone,A.D.
Labeling reagente
Patent: US 6858711-A 10 22-FEB-2005;
Affymetrix, Inc.; Santa Clara, CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      30 bp 1
Sequence 10 from patent US 6858711.
AR641083.
AR641083.1 GI:62776057
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Sequence 1 from patent US 6743588.
AR541545 GI:53933523
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Sequence 2 from patent US 6743588.
AR541546 GI:53933524
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AR641083
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Reagent and method for the detection of a nucleotide sequence with signal amplification
Patent: US 5695936-A 9 09-DEC-1997;
                                                                                                                                                                                                                                                                                                                                                 1. .30
/note='suitably selected protection of RNA
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1 (bases 1 to 30)
Mandrand, B., Cros, P., Delair, T., Charles, M.-H., Brout, M.-N. and
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E04638.1 GI:5708508
JP 1992330093-A/2.
synthetic construct
other sequences; artificial sequences.
other sequences; artificial sequences.
Takman.H. and Indaa,M.
PRODUCTION OF OLIGORIBONUCLEOTIDE
PATENT: UP 1992330093-A 2 18-NOV-1992;
TAKEDA CHEM IND LTD
OC Artificial gene
OC Artificial sequence; Genes.
PN W 1992330093-A/2
PP 18-NOV-1992
PP 70-JUN-1991 JP 1991136086
PR 07-JUN-1990 JP 90P 190762
PI TANIMURA HIROSHI, IMADA MICHI
CC CC Strandedness: Single;
CC Ct Copology: Linear;
FH Key Location/Qualifiers
FT misc_feature 1.30
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                                                                                                                                                                                                                                                                                                                                                                                                                           1..30
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ative 0; Mismatches
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Sequence 9 from patent US 5695936.
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Immunostimulatory nucleic acids
Batent: WO 0122972-A 1095 05-APR-2001,
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US); Coley Pharmaceutical
GmbH (DE)
                                                                                                                                                                                                                                                                                                                                                                    Krieg, A.M., Schetter, C. and Vollmer, J.C.
Immunostimulatory nucleic acids
Batent: WO 0122972-A 1094 05-APR-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US); Coley Pharmaceutical
GmbH (DE)
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Sequence 1095 from Patent W00122972.
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Best Local Similarity 100.0%; Pred. No. 68;
Matches 30; Conservative 0; Mismatches
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AX104902/c
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Novel fluorescent dye and method of measuring nucleic acid
Patent: EP 1223226-A 2 17-JUL-2002;
Tosoh Corporation (JP)
                                                                                                                                                                                                                                                                                                                 Tokunaga,T., Ishiguro,T. and Horie,R.
Novel fluorescent dye and method of measuring nucleic acid Patent: EP 122126-A 1 17-JUL-2002;
Tosoh Corporation (JP)
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/noTe="Artificial"
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1.1%; Score 30; DB 1;
Best Local Similarity 100.0%; Pred. No. 68;
Matches 30; Conservative 0; Mismatches 0
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Sequence 1 from Patent EP1223226.
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Matches 30; Conservative
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PAT 23-MAR-2005

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Matches

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ORGANISM

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REFERENCE AUTHORS

ORGANISM

KEYWORDS

REFERENCE AUTHORS TITLE

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/organism="synthetic construct"
/mol_type="unassigned DNA"
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/note="Description of Combined DNA/RNA Molecule: Synthetic
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H.sapiens (haplotype 3, allele MS32, isolate Mormon, serial number
30001
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
                                                                                                                                                                                                                                                                                                                                                                                       Rabbani, E., Donegan, J.J. and Stavrianopoulos, J.G. Multisignal labeling reagents, processes and uses therefor Patent: BP 1489422-A 2 22-DEC-2004; Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc. (US) Location/Qualifiers
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   DB 1; Length 33;
74:
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 1.1%; Score 30; DB 100.0%; Pred. No. 74; tive 0; Mismatches
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IMPERIAL CHEMICAL INDUSTRIES PLC
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    .31
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Jeffreys, A.J.
Extended nucleotide sequences
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     Query Match
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                                                                        Utermohlen, J.G. and Connaughton, J.
Oligomucleotides for labeling oligomucleotide probes and proteins
Patent: Wo 0222874-A 115 21-MAR-2002;
VENTANA MEDICAL SYSTEMS, INC. (US)
Location/Qualifiers
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Jacobsen, R., Jimenez, E., Cruz, L.J., Olivera, B.M., Gray, W.R., Grilley, M., Watkins, M. and Hillyard, D.R.
Contryphan peptides
Patent: US 6077934-A 26 20-JUN-2000;
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Jacobsen,R., Jimenez,E., Cruz,L.J., Olivera,B.M., Gray,W.R.,
Grilley,M., Watkins,M. and Hillyard,D.R.
Contryphan peptides
Patent: US 6153738-A 26 28-NOV-2000;
Location/Qualifiers
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100.0%; Pred. No. 68;
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                                     other sequences; artificial sequences.
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Sequence 26 from patent US 6153738.
AR120128
AR120128.1 GI:14102827
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PAT 02-SEP-1993

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PAT 29-SEP-1997

ORGANISM

AUTHORS TITLE

JOURNAL

FEATURES

REFERENCE

DEFINITION

CS048817

ò g ACCESSION VERSION KEYWORDS SOURCE

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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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                                                      Rabbani, E., Donegan, J.J. and Stavrianopoulos, J.G. Wultisignal labeling reagants, processes and uses therefor Patent: EP 1489422-A 3 22-DEC-2004; Enzo Life Sciences, Inc., c/o Enzo Biochem, Inc. (US)
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1.0%; Score 27; DB 1; Length 27;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 27; Conservative 0; Mismatches 0; Indels
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(bases 1 to 27)
Sengu, K.Y. and Ito, S.
REPLICATION OF DNA
PATENTON OF DNA
PATIZONA BOARD OF REGENTS
OC Artificial sequence, Genes.
N JP 1993103673-A/79
PD 27-APR-1993
PF 26-AUG-1991 JP 1991240525
PI SENGU KUU YUU, ITO SUMIYOSHI
PC C12N15/10,C12N15/11/C12Q1/68;
CC topology: Linear;
FH Key
FT misc_feature 1..27
FT Timesc_feature 1..27
FT Timesc_feature 1..27
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100.0%; Pred. No. 1.1e+02;
iive 0; Mismatches 0;
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LOCUS AR197595 27 bp DN
DEFINITION Sequence 680 from patent US 6352829.
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Method for detecting analytes based on evanescent illumination and
scatter-based detection of nanoparticle probe complexes
Patent: WO 200500222-A 2 27-JAN-2005;
Nanosphere, Inc. (US)
Location/Qualifiers
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100.0%; Pred. No. 1.1e+02;
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1 (bases 1 to 27)

2 (banchik, A., Jokhadze, G. and Bibilashvilli, R. Methods of assaying differential expression

1L Patent: US 5994076-A 680 30-NOV-1999;

Location/Qualifiers
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1.0%; Score 27.2; DB 1;
Best Local Similarity 90.6%; Pred. No. 1.3e+02;
Matches 29; Conservative 0; Mismatches 3;
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/noTe="Probe APC 1-Mut"
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  2708 ТААААААААААААААААААААААААА
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Sequence 680 from patent US 5994076.
AR090560
AR090560.1 GI:10017315
                                                                                                                              33 bp Di
Sequence 2 from Patent WO2005008222.
CS048817
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/wol_type="unassigned DNA"
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Sequence 3 from Patent EP1489422.
CS053030
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REFERENCE AUTHORS

ACCESSION VERSION KEYWORDS

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PAT 20-APR-2002

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PAT 06-FEB-2002
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Inhibition of angiogenesis by nucleic acids
Patent: WO 02053141-A 911 11-JUL-2002;
Coley Pharmaceutical Group, Inc. (US)
                                                                                                                                                                                                                                                                                                                                                                                                               Patent: WO 0197843-A 842 27-DEC-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /organism="synthetic construct"
/mol_type="unassigned DNA"
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phosphorothioate backbone"
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Matches 27; Conservative 0; Mismatches 0;
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/db_xref="texon.32630"
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Sequence 911 from Patent WO02053141.
AXS47772
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Sequence 842 from Patent WO0197843.
AX355814
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AX355814/c
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Immunostimulatory nucleic acids
Patent: WO 0122972-A 911 05-APR-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US) ; Coley Pharmaceutical
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Chenchik, A., Jokhadze, G. and Bibilashvilli, R. Methods of assaying differential expression Patent: US 648945-A 680 03-DEC-2002;
Clontech Laboratories, Inc.; Palo Alto, CA Location/Qualifiers
                                                                            Unclassified.

1 (bases 1 to 27)
Chenchik,A., Jokhadze,G. and Bibilashvilli,R. Methods of assaying differential expression
Patent: US 6352829-A 680 05-MAR-2002;
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AR259749.1 GI:27310260
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1.0%; Score 27; UB
Best Local Similarity 100.0%; Pred. No. 1.1
Matches 27; Conservative 0; Mismatches
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AX104719
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AR197595.1 GI:20247444
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DEFINITION

RESULT 72

AR162080

ACCESSION VERSION KEYWORDS ORGANISM

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AUTHORS TITLE JOURNAL FEATURES

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31-MAR-1999 JP 2000542484
03-APR-1998 US 60/080686
ROBERT G KUIMELIS, HICHARD WAGNER
CI2N15/09,CO7H21/02,CO7H21/04,CI2M1/00,CI2Q1/68,GOIN33/566, PC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic construct
switchetic construct
synthetic construct
conter sequences, artificial sequences.

L bases 1 to 29)
Szostak, J.W., Roberts, R.W. and Liu, R.
Sorting of proteins using RNA-protein fused body
L patent: JP 2002536025-A 5 29-OCT-2002;
THE GENERAL HOSPITAL CORP
OS Artificial Sequence
RN JP 2002536025-A/5
PP 01-FEB-1099 US 09/A41190
PP 01-FEB-1999 US 09/A41190
PC C12N15/09, COTK1/00, COTK14/00, C12Q1/68, C12N15/00 CC
Translation template
FH Key Location/Qualifiers
FT source //organism='Artificial Sequence'.
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1.0%; Score 27; DB 1; Length 29;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 27; Conservative 0; Mismatches 0; Indels
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"

    .29
    /organism="synthetic construct"

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LOCUS AR279813
DEFINITION Sequence 8 from patent US 6518018.
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Artificial Sequence
JP 2002510505-A/3
09-APR-2002
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JP 2002536025-A/5.
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BD238387
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                                                                                                                                                                        Unknown.
Unknown.
Unclassified.
1 (bases 1 to 29)
2 Szostak, J.W., Roberts, R.W. and Liu, R.
Szostak, J.W., Foberts, R.W. and Liu, R.
Method for selection of protein using RNA-protein fusions
Patent: US 625858-A 8 10-JUL-2001;
Location/Qualifiers
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Szostak, J.W., Roberts, R.W. and Liu, R.
Nucleic acid-protein fusion molecules and libraries
Patent: US 6281344-A 8 28-AUG-2001,
Location/Qualifiers
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1.0%; Score 27; DB 1; Length 29;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 27; Conservative 0; Mismatches 0; Indels
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JP 2002510505-A/3.
synthetic construct
synthetic construct
other sequences; artificial sequences.
I (bases 1 to 29)
Kuimelis,R.G. and Wagner,R.
Protein array enabling site specification
Patent: JP 2002510505-A 3 09-APR-2002;
PHYLOS INC
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Sequence B from patent US 6281344.
AR16605 GI:16241997
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Unclassified.
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SOURCE ORGANISM

DEFINITION

RESULT 73

ઠે g AR166605

ACCESSION VERSION KEYWORDS

source

REFERENCE AUTHORS TITLE JOURNAL FEATURES

LOCUS

RESULT 74

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ORGANISM

TITLE JOURNAL

AUTHORS REFERENCE

ACCESSION VERSION KEYWORDS SOURCE

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Gaps

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PAT 10-APR-2003

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Gaps

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PAT 17-JUL-2003

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PAT 12-JAN-2001

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Pignot,M.

Detection system for analyzing molecular interactions, production and utilization thereof
Patent: WO 0071749-A 10 30-NOV-2000;
Patent: WO 0071749-A 10 30-NOV-2000;
Aventis Research & Technology GmbH & Co. KG. (DE)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Boekenkamp, D., Hoppe, H.U., Burgstaller, P., Konz, D., Woelk, U. and
                                                                                                                                                                                                                                                                                                                                                                                                              Boekenkamp,D., Hoppe,H.U. and Burgstaller,P.
Detection system for separating constituents of a sample and production and use of the same
Patent: WO 0071747A 8 30-NOV-2000;
Aventis Research & Technologies GmbH & Co. KG (DE)
Location/Qualifiers
                                                                      Score 27; DB 1; Length 29;
Pred. No. 1.2e+02;
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/db xref="taxon:32630"
/nofe="Beschreibung der kunstlichen
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100.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 0;
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Sequence 10 from Patent WO0071749.
AX052994
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Sequence 8 from Patent WO0071747.
AX048409
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AX048409
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Detection system for separating constituents of a sample and production and use of the same batent: WO 001147-A 7 30-000;
Aventis Research & Technologies GmbH & Co. KG (DE)
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Szostak, J.W. and Roberts, R.W.
RNA-antibody fusions and their selection
Patent: US 6518018-A 8 11-FEB-2003;
The General Hospital Corporation; Boston, MA
Location/Qualifiers
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other sequences; artificial sequences.
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Kuimelis,R.G. and Wagner,R.
Addressable protein arrays
Patent: US 6537749-A 3 25-MAR-2003;
Phylos, Inc.; Lexington, MA
Location/Qualifiers
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Sequence 3 from patent US 6537749.
AR288232 GI:31675516
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Sequence 7 from Patent WO0071747.
AX048408
AX048408.1 GI:12225572
                                                                                                                                                                                                                      /organism="unknown"
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/organism="unknown"
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AR279813
AR279813.1 GI:29714958
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PAT 12-JAN-2001

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ORGANISM

REFERENCE AUTHORS

TITLE JOURNAL

FEATURES

DEFINITION

RESULT 81 AX353685

8 유 ACCESSION VERSION KEYWORDS SOURCE

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Homo sapiens (human)
JP 2002191384-A/4
09-JUL-2002
13-NOV-2001 JP 2001348017
15-NOV-2000 EP 00124897.0
MOLEGANG DIETWAIER
CI2N15/09,C12Q1/68,C12N15/00
Method for melting curve analysis of repetitive PCR products
Key
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                                                                             unclassified sequences.

1 (bases 1 to 32)
Dietmaler, W. Method for melting curve analysis of repetitive PCR products Patent: JP 2002191384-A 4 09-JUL-2002;
                                                                                                                                                                                                                                                                                                                                        /organism='Homo sapiens (human)'. Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1.0%; Score 27; DB 1; Length 32; 100.0%; Pred. No. 1.3e+02; tive 0; Mismatches 0; Indels
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Pred. No. 1.3e+02;
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Sequence 4 from patent US 6664064.
AR438514
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/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
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Sequence 4 from Patent EP1207210.
AX430213 GI:21655578
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/organism="unknown"
/mol_type="genomic DNA"
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 BD165916
BD165916.1 GI:27871728
JP 2002191384-A/4.
unidentified
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1 (bases 1 to 32)
Dietmaier, W.
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                                                                  unidentified
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AX430213
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Method for melting curve analysis of repetitive PCR products.
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Process and compositions for peptide, protein and peptidomimetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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Patent: WO 02059293-A 41 01-AUG-2002;
Porster, Anthony C. (US); Blacklow, Stephen C. (US)
Forster, Location/Qualifiers
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1.0%; Score 27; DB 1; Length 29;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 27; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 0; Indels
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/organism="synthetic construct"
/mol type="unassigned DNA"
/db_xrefe"taxon:32630"
/note="Linker mit Puromycin am 3'-Ende"
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/noTe="FROM SYNTHETIC DNA"
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                                                                                                                                                                                                                                                                               Wagner, P. and Polakowski, T.
Bio-probes and use thereof
Patent: WO 0204656-A 5 17-JAN-2002;
Xzillion GmbH & CO.KG (DE)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       29 bp | Sequence 41 from Patent WO02059293.
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                  2709 AAAAAAAAAAAAAAAAAAAAAAAAA 2735
                                                                                                                             Sequence 5 from Patent WO0204656.
                                     1 AAAAAAAAAAAAAAAAAAAAAAA 27
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RESULT 83

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PAT 28-JUN-2002

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Gaps

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PAT 08-DEC-2005

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forganism="synthetic construct"
/mol_type="unassigned DNA"
/mol_type="taxon:12530"
/note="Description of Combined DNA/RNA Molecule: Synthetic DNA/RNA oligonucleotide
Synthetic DNA/RNA oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note="Y means incorporation of Aminolinker-phosphoramidite subsequently estered with 3-O carboxymethyl digoxigenin"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mycobacterium tuberculosis
Bacteria, Actinobacteria; Actinobacteridae; Actinomycetales;
Corynebacterineae; Mycobacteriaceae; Mycobacterium, Mycobacterium
tuberculosis complex.
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Weindel,K. and Brand,J.
DNA detection by means of a strand reassociation complex
Patent: US 6410235-A 18 25-JUN-2002;
Roche Diagnostics GmbH; Mannheim;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.0%; Score 26.6; DB 1; Length 27; 96.3%; Pred. No. 1.2e+02; tive 1; Mismatches 0; Indels
                                                                                                                                               Length 30;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /organism="Mycobacterium tuberculosis"
/mol_type="unassigned DNA"
/db_xref="taxon:1773"
                                                                                                                                               Score 26.8; DB 1;
Pred. No. 1.3e+02;
0; Mismatches 2;
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Patent: EP 1595960-A 18 16-NOV-2005;
Roche Diagnostics GmbH (DE)
Location/Qualifiers
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AR214918
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Sequence 18 from Patent EP1595960.
CS196285
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/organism="unknown"
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                                                                                                                                                 1.0%;
Similarity 93.3%;
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Best Local Similarity 93.37
Matches 28, Conservative
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Best Local Similarity 96.3
Matches 26; Conservative
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CS196285/c
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AR214918/c
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                                           Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Buarchontoglires, Primates, Catarrhini,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Patent: US 5478746-A 1 26-DEC-1995;
The United States of America as represented by the Department of
Health and; Washington, DC
Location/Qualifiers
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Cohen,J.I., Purcell,R.H., Feinstone,S.M. and Ticehurst,J.R.
cDNA encoding attenuated cell culture adapted hepatitis A virus
                                                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                       Method for melting curve analysis of repetitive por products Patent: EP 1207210-A 4 22-MAY-2002; Roche Diagnostics GmbH (DE); F. HOFFMANN-LA ROCHE AG (CH) Location/Qualifiers
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100.0%; Pred. No. 1.3e+02;
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100.0%; Pred. No. 1.3e+02;
Live 0; Mismatches 0; Indels
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Immunostimulatory rna/dna hybrid molecules
Patent: WO 0193902-A 7 13-DEC-2001;
Biosynexus Incorporated (US)
Location/Qualifiers
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synthetic construct
other sequences; artificial sequences.
                                                                                                                                                                                                                                      /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 1 from patent US 5478746.
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Sequence 7 from Patent WO0193902.
AX351711
AX351711.1 GI:18616994
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         sapiens (human)
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Best Local Similarity 100.0
Matches 27; Conservative
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                                                                                     Hominidae; Homo
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                               Homo sapiens
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Corynebacterineae; Mycobacteriaceae; Mycobacterium; Mycobacterium
tuberculosis complex.
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Weindel, K. and Brand, J.
NA detection by means of a strand reassociation complex
Patent: US 679623-A 18 14-SEP-2004;
Roche Diagnostics GmbH; Mannheim;
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Dna detection by a strand reassociation complex
Patent: BP 0962536.4 Is 08-DEC-1999;
ROCHE DIAGNOSTICS GWBH (DE)
Location/Qualifiers
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/mol_type="unassigned DNA"
/db_xref="taxon:1773"
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AR581039
AR581039.1 GI:56611712
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Sequence 18 from Patent EP0962536.
AX009609
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/organism="unknown"
/mol_type="genomic DNA"
/mol_type="genomic DNA"
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Unclassified.
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AR581039/c
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Chenchik, A., Jokhadze, G. and Bibilashvilli, R. Methods of assaying differential expression Patent: US 5994076-A 679 30.NOV-1999;
Location/Qualifiers
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Pred. No. 1.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                            /organism="synthetic construct"
/mol_type="genomic DNA"
/b xref="taxon:32630"
/noce="primer"
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synthetic construct
other sequences; artificial sequences.
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Enterovirus nucleic acids
Patent: WO 02103060-A 35 27-DEC-2002;
Innoventus Project AB (SE)
Location/Qualifiers
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 35 from Patent WO02103060.
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Sequence 5 from patent US 6197554.
AR137712
2709 AAAAAAAAAAAAAAAAAAAAAAAA 2735
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                     27 ARAAAAAAAAAAAAAAAAAAAA 1
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REFERENCE

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PI RICHARD D HOLLY, JANE A GROSS, JANET V JOHNSTON, ANDREW J NELSON, PI STACEY R DILLON, ANGELA K HAMMOND CIZULS/09, A61K38/00, A61P35/00, A61P37/00, CO7K14/52, PC CO7K14/54, CO7K14/55, CO7K16/24, CO7K19/00, CIZUN/11, PC CO7K14/54, CO7K14/55, CO7K16/24, CO7K19/00, CIZUN/121, PC CIZUN/21, CIZUN/2
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          JULIA E NOVAK, SCOTT R PRESNELL, CINDY A SPRECHER, DONALD C PI
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/organism='Artificial Sequence'
Location/Qualifiers
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100.0%; Pred. No. 1.3e+02;
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Unclassified.
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Chenchik,A., Jokhadze,G. and Bibilashvilli,R.
Methods of assaying differential expression
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    forganism="synthetic construct"
|mol type="genomic DNA"
|db_xref="taxon:32630"

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/mol_type="unassigned DNA"
/db xref="taxon:32630"
/note="primer"
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Sequence 14 from Patent WO2004053160.
CQ828164
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Sequence 679 from patent US 6352829.
AR197594
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Novak, J.E., Presnell, S.R., Sprecher, C.A., Foster, D.C., Holly, R.D., Gross, J.A., Johnston, J.V., Nelson, A.J., Dillon, S.R. and Hammond, A.K.
Cytokine zalphall Ligand
Patent: US 6307024-A 38 23-OCT-2001;
Location/Qualifiers
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1 (bases 1 to 26)
Novak,J.E., Presnell,S.R., Sprecher,C.A., Foster,D.C., Holly,R.D.,
Gross,J.A., Johnston,J.V., Nelson,A.J., Dillon,S.R. and
Hammond,A.K.
                                                   1 (bases 1 to 26)
Lin, S.-L., Chuong, C.-M. and Ying, S.-Y.
Method for generating full-length cDNA library from single cells
Patent: US 6197554-A 5 06-MAR-2001;
Location/Qualifiers
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PN JP 2002537839-A/35
PD 12-NOV-2002
PP 09-MAR-2000 JP 2000603382
PR 09-MAR-1999 US 09/264908,11-MAR-1999 US
01-JUL-1999 US 60/142013
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0;
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100.0%; Pred. No. 1.3e+02;
Live 0; Mismatches 0;
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Patent: JP 2002537839-A 35 12-NOV-2002;
ZYMOGENETICS INC
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Sequence 38 from patent US 6307024.
AR174581
AR174581.1 GI:17914901
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/organism="unknown"
/mol_type="unassigned DNA"
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JP 2002537839-A/35.
synthetic construct
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BD248974/c
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REFERENCE AUTHORS

TITLE JOURNAL FEATURES

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VERSION KEYWORDS SOURCE

REFERENCE AUTHORS

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            RESULT 101
AR374073/C
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0.9%; Score 26; DB 1; Length 26;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 26; Conservative 0; Mismatches 0; Indels
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Unclassified.

I (bases 1 to 26)

S Chenchik,A., Jokhadze,G. and Bibilashvilli,R.
Methods of assaying differential expression
AD Patent: US 6489455-A 679 03-DEC-2002;
Clontech Laboratories, Inc.; Palo Alto, CA
Location/Qualifiers
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0.9%; Score 26; DB 1; L.
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 26; Conservative 0; Mismatches 0;
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Unclassified.
1 (bases 1 to 26)
Adler, D. A. and Sheppard, P.O.
Secreted salivary ZSIG63 Polypeptide
Patent: US 6331413-A 7 18-DEC-2001;
ZymoGenetics, Inc.; Seattle, WA;
WOX;
JOURNAL Patent: US 6352829-A 679 05-MAR-2002; ATURES Location/Qualifiers
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Seguence 679 from patent US 6489455.
AR259748
                           1. .26
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/mol_type="unassigned DNA"
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AR259748
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PAT 18-DEC-2003
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(bases 1 to 26)

Novak, J.E., Presnell, S.R., Sprecher, C.A., Foster, D.C., Holly, R.D.,
Rovak, J.E., Presnell, S.R., Nelson, A.J., Dillon, S.R. and
Hammond, A.K.
Methods of using zalphall ligand
Patent: US 660527-2 A 38 12-AUG-2003;
Patent: US 660577-2 A 38 12-AUG-2003;
ZymoGenetics, Inc.; Seattle, WA
Location/Qualifiers
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Unclassified.
I (bases I to 26)
Novak, JE., Fresnell, S.R., Sprecher, C.A., Foster, D.C., Holly, R.D.,
Gross, J.A., Johnston, J.V., Nelson, A.J., Dillon, S.R. and
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Patent: US 5707807-A 1 13-JAN-1998;
Location/Qualifiers
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100.0%; Pred. No. 1.3e+02;
ative 0; Mismatches 0;
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/mol_type="unassigned DNA"
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Sequence 38 from patent US 6686178.
AR456223.1 GI:42691246
AR374073 26 bp I
Sequence 38 from patent US 6605272.
AR374073
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Sequence 1 from patent US 5707807.
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Matches 26; Conservative
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1 (bases 1 to 26)
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PAT 30-APR-2001
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Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 26; Conservative 0; Mismatches 0; Indels
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/note="Poly(dT)-26mer primer"
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Gene silencing using mrna-cdna hybrids
Patent: WO 0210374-A 3 07-FEB-2002;
UNIVERSITY OF SOUTHERN CALIFORNIA (US)
Location/Qualifiers
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Sequence 53 from Patent WO02059357.
AX528804
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Sequence 3 from Patent WO0210374.
AX427154
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Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 26; Conservative 0; Mismatches 0; Indels
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              Cytokine zalphall ligand polynucleotides
Patent: US 6686179-A 38 03-FBB-2004;
Zymodenetics, Inc.; Seattle, WA
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                   DNA
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Adler,D.A. and Sheppard,P.O.
Secreted salivary zsig63 polypeptide
Patent: US 6828419-A 7 07-DEC-2004;
ZymoGenetics, Inc.; Seattle, WA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Single-stranded polynucleotide tags
Patent: US 6958217-A 53 25-OCT-2005;
Genomic Expression APS; Taastrup;
DKX;
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Sequence 53 from patent US 6958217.
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Sequence 7 from patent US 6828419.
ARG14322
ARG14322.1 GI:56670498
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Pedersen, M.L.
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Unclassified.
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Hammond, A.K.
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AR614322/c
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RESULT 105 AR759351/c LOCUS

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PAT 20-JUN-2002

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Convergent synthesis of branched and multiply connected macromolecular structures
Patent: US 5830658-A 12 03-NOV-1998;
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Circular DNA vectors for synthesis of RNA and DNA
Patent: US 6368802-A 6 09-APR-2002;
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Pred. No. 1.5e+02;
Migmatches 2;
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                                                ch 0.9%; Score 25.8; DB 1; 1 Similarity 93.1%; Pred. No. 1.5e+02; 27; Conservative 0; Mismatches 2;
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Best Local Similarity 93.1%; Pred. No. 1.5e
Matches 27; Conservative 0; Mismatches
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Sequence 12 from patent US 5830658.
AR051244
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Sequence 6 from patent US 6368802.
AR204722
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/organism="unknown"
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Unclassified.
1 (bases 1 to 30)
Gryaznov,S.M.
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                                                                                                                                                                                                                                                                                                                                                              Unclassified.
                                                Query Match
Best Local Similarity
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AR127791
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AR204722/c
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Defection system for analyzing molecular interactions, production and utilization thereof and utilization thereof Patent: WO 0071749-A 5 30-NOV-2000, Patent: WO 0071749-A 5 30-NOV-2000, Aventis Research & Technology GmbH & Co. KG. (DE)

Location/Qualifiers
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0; Indels
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1 (bases 1 to 29)

Kool,E.T.

Highly sensitive multimeric nucleic acid probes Patent: US 6077668-A 6 20-JUN-2000;

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /organism="synthetic construct"
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/nofe="Beschreibung der kunstlichen
Sequenz:Puromycin-Linker"
                                                             Pedersen, M.L.
Assay and kit for analyzing gene expression
Patent: WO 02059357-A 53 01-AUG-2002;
Location/Qualifiers
1. .26
                                                                                                                                                      /organism="synthetic construct"
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synthetic construct
synthetic construct
other sequences; artificial sequences.
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Sequence 6 from patent US 6077668.
AR098648
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AR098648/c
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PAT 03-APR-1996
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1 (bases 1 to 32)
Soares,M.B. and Efstratiadis,A.
Soares,M.B. and Efstration of normalized cDNA libraries
Patent: US 5482845-A 8 09-JAN-1996;
Location/Qualifiers
   Query Match 0.9%; Score 25.6; DB 1; Length 32; Best Local Similarity 87.5%; Pred. No. 1.7e+02; Matches 28; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                   Match 0.9%; Score 25.6; DB 1; Length 32; Local Similarity 87.5%; Pred. No. 1.7e+02; es 28; Conservative 0; Mismatches 4; Indels
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87.5%; Pred. No. 1.7e+02;
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                                                           2709 ААААААААААААААААААААААААААААААА
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Sequence 153 from patent US 6472154.
AR241865
AR241865.1 GI:27287677
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1 (bases 1 to 32)
Soares,M.B. and Efstratiadis,A.
Normalized CDNA libraries
Patent: US 5637685-A 8 10-JUN-1997;
Location/Qualifiers
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Sequence 8 from patent US 5637685.
145733
145733.1 GI:2469835
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Sequence 8 from patent US 5482845.
116939
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AR241865/c
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Patent: US 5571677-A 12 05-NOV-1996;
Location/Qualifiers
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Soares, M.B. and Efstratiadis, A.
Method for construction of normalized cDNA libraries
Patent: US 5830662-A 8 03-NOV-1998;
                                                                                                                                                                                                                                      Query Match 0.9%; Score 25.8; DB 1; Length 30; Best Local Similarity 93.1%; Pred. No. 1.5e+02; Matches 27; Conservative 0; Mismatches 2; Indels
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Horn, T.
Synthesis of branched nucleic acids
Patent: US 6180777-A 12 30-JAN-2001;
Location/Qualifiers
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Sequence 12 from patent US 5571677.
128373.1 GI:1819149
Sequence 12 from patent US 6180777.
AR127791
AR127791.1 GI:14114386
                                                                                                                                                                                                         /mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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/organism="unknown"
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Gryaznov, S.M.
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                                                                                     Unclassified.
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AR051291/c
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128373
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AR257336/c
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BD237566.1 GI:33047336

BD237566.1 GI:33047336

Synthetic construct
synthetic construct
other sequences; artificial sequences.
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JP 2001507946-A/4
19-JUN-2001
06-OCT-1998 JP 1999522287
06-OCT-1997 US 60/061112
DARRELL C CONKLIN, HAL BLUMBERG
CI2N15/12, CI2N15/62, CI2N5/10, CO7K16/18, CI2Q1/68, PC
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       Unclassified.
1 (bases 1 to 27)
Garner,H.R., Wren,J.D., Minna,J.D. and Fondon,J.W. III.
Polymorphic repeats in human genes
Patent: US 6472154-A 153 29-OCT-2002;
Board of Regents, The University of Texas System; Austin,
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Pred. No. 1.5e+02;
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    .26
    ^organism="synthetic construct"
/mol_type="genomic DNA"
    /db_xref="taxon:32630"

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synthetic construct
other sequences; artificial sequences.
1 (bases 1 to 26)
Conklin,D.C. and Blumberg,H.
A human 2-19 protein homologue, Z219A
Patent: JP 2001507946-A 4 19-JUN-2001;
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CC Oligonucleotide primer ZC7231
FH Key
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/organism="unknown"
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JP 2001507946-A/4.
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Best Local Similarity 96.39
Matches 26; Conservative
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Matches 25, Conservative
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OS Artificial Sec
PN JP 2001507946
PD 19-UTN-2001
PF 06-OCT-1999 U
PI DARRELL C CONP
PC C12N15/12,C12
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BD062456/c
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BD237566/c
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                                                            Key
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Shimkets.R.A. Genes and proteins predicting and treating fit, hypertension, diabetes and obesity Patent: JP 2002525115-A 1 13-AUG-2002; CURAGEN CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Genes and proteins predictive and therapeutic for stroke, hypertension, diabetes and obesity Patent: US 6486299-A 43 26-NOV-2002; CuraGen Corporation; New Haven, CT; WOX;
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Pred. No. 1.5e+02;
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96.2%; Pred. No. 1.5e+02;
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Sequence 6 from patent US 6331413.
AR263647
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Sequence 43 from patent US
AR257336
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Best Local Similarity 96.2%;
Matches 25; Conservative 1
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Shimkets, R.A.
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PAT 05-JAN-2005
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/nofe="Description of Artificial Sequence: Synthetic oligonucleotide"
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Modulation of L-cell receptor interactions
Patent: WO 0190747-A 37 29-NOV-2001;
Sunol Molecular Corporation (US)
Location/Qualifiers
                                                         /note="Description of Artificial Sequence: Primer"
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                                                                                                                                Query Match 0.9%; Score 25.2; DB 1; Length 26; Best Local Similarity 96.2%; Pred. No. 1.5e+02; Matches 25; Conservative 1; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Fisher, L.B., Cachet, N.M. and Barzu-Le, S. Canine ghrh gene, polypeptides and methods of use Patent: WO 2004108861-A 51 16-DEC-2004; Merial Limited (US)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 0.9%; Score 25.2; DB 1; Length 2 Best Local Similarity 96.2%; Pred. No. 1.5e+02; Matches 25; Conservative 1; Mismatches 0; Indels
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       organism="synthetic construct"
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Sequence 51 from Patent WO2004108761.
CQ971812.1 GI:57163253
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Sequence 37 from Patent WO0190747.
AX327980
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                                                                                            /note="v is a, c or g"
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Patent: WO 03064691-A 36 07-AUG-2003;
Global Genomics AB (SE)
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synthetic construct
other sequences; artificial sequences.
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Adler, D.A. and Sheppard, P.O.
Secreted salivary zsig63 polypeptide
Patent: US 6828419-A 6 07-DEC-2004;
ZymoGenetics, Inc.; Seattle, WA;
                                                                                        1 (bases 1 to 26)
Adler,D.A. and Sheppard,P.O.
Secreted salivary ZSIG63 Polypeptide
Patent: US 6331413-A 6 18-DEC-2001;
YmcGenetics, Inc.; Seattle, WA;
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/organism="unknown"
/wol_type="genomic DNA"

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    /organism="unknown"
    /mol_type="genomic DNA"

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 GI:28075580
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Best Local Similarity 96.2%
Matches 25, Conservative
                                                                      Unclassified.
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JOURNAL

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AX814950/c LOCUS DEFINITION ACCESSION VERSION KRYWORDS SOURCE

RESULT 124

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JP 2003014773-A/3.
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Patent: WO 02062135-A 42 15-AUG-2002;
Egelrud, Torbjorn (SE); Hansson, Lennart (SE)
Location/Qualifiers
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Dellinger,D.J., Dahm,S.C., Ilsley,D.D., Ach,R.A. and Troll,M.A.
Hybridization assay signal enhancement
Patent: US 6103474-A 5 15-AUG-2000;
Location/Qualifiers
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  0; Indels
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="5 -RACE cDNA synthesis primer."
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/mol_type="unassigned DNA"
  1; Mismatches
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Sequence 42 from Patent W002062135.
AX513052
AX513052.1 GI:23504143
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Sequence 5 from patent US 6103474.
AR105982
AR105982.1 GI:12820047
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PI nobuyuki okamura,tadashi okamoto,makoto kameyama CC Designed oligonucleotide used as a probe to be stabilized CC on a surface of a carrier FH Kev
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BD187514
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JP 2007011.77
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other sequences; artificial sequences.
1 (bases 1 to 25)
0/kmura, N., Okamoto, T. and Kameyama, M.
Probe carrier, Method and Apparatus for producing Probe carrier
Patent: JP 2003014773-A 4 15-JAN-2003;
other sequences; artificial sequences.

1 (bases 1 to 25)
Okamura,N., Okamoto,T. and Kameyama,M.
Probe carrier, Method and Apparatus for producing Probe carrier
Patent: JP 2003014773-A 3 15-JAN-2003;
CANON INC
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100.0%; Pred. No. 1.5e+02;
tive 0; Mismatches 0;
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Pred. No. 1.5e+02;
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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llarity 100.0%; Pred. No. 1.5
Conservative 0; Mismatches
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15-JAN-2003
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Best Local Similarity 100.0
Matches 25; Conservative
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PAT 07-0CT-1997

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Gaps

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PAT 01-DEC-1998

linear

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Gaps

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PAT 14-FEB-2005

linear

FEATURES

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Unclassified.
Unclassified.
1 (bases 1 to 25)
Wong, Y.N.
Production and use of magnetic porous inorganic materials
Patent: US 5734020-A 2 31-MAR-1998;
Location/Qualifiers
                                                                      Length 25;
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100.0%; Pred. No. 1.5e+02;
tive 0; Mismatches 0; Indels
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1 (bases 1 to 25)

Li,W.-L.R. and Zhou,J.S.

Liorescent oligonucleotides and uses thereof

Patent: US 6838244-A 1 04-JAN-2005;

Monsanto Technology LLC; St. Louis, MO

Location/Qualifiers
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100.0%; Pred. No. 1.5e+02;
live 0; Mismatches 0;
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25 bp
Sequence 2 from patent US 5610287.
IS8009
IS8009.1 GI:2483073
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Sequence 2 from patent US 5734020.
196072
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Sequence 1 from patent US 6838244.
AR629268
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AR629268/c
                                                                                                                   AUTHORS
TITLE
JOURNAL
FEATURES
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ORGANISM
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KEYWORDS
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                                                                                                                                                                               Artificial Sequence
JP 2002510505-A/23
09-APR-1999
31-MAR-1999
JP 2000542484
03-APR-1999
US 60/080686
ROBERT G KUIMELIS, RICHARD WAGNER
C12N15/09, C07H21/02, C07H21/04, C12M1/00, C12Q1/68, G01N33/566, PC
              PAT 17-JUL-2003
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Location/Qualifiers
              linear
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        25 bp DNA
Protein array enabling site specification.
BD204988
                                                                                                other sequences; artificial sequences.

(bases 1 to 25)

Kuimelis,R.G. and Wagner,R.

Protein array enabling site specification
Patent: JP 2002510505-A 23 09-APR-2002;
                                                                                                                                                                                                                                                                                                      Capture probe sequence
Key Location/Qualifiers

    .25
    /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"

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Kuimelis, R.G. and Wagner, R.
Addressable protein arrays
Patent: US 6537749-A 23 25-WAR-2003;
Phylos, Inc.; Lexington, MA
Location/Qualifiers
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AR288252
AR288252.1 GI:31675536
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                                                BD204988.1 GI:33014758
JP 2002510505-A/23.
synthetic construct
synthetic construct
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Matches 25; Conservative
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Matches 25; Conserval
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AR288252/c
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I58009/c
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BD204988/c
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CC Topolog
BD007174
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BD192375/c
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Unclassified.

(bases 1 to 26)

Novak,J.E., Presnell,S.R., Sprecher,C.A., Foster,D.C., Holly,R.D., Gross,J.A., Johnston,J.V., Nelson,A.J., Dillon,S.R. and Hammond,A.K.

Cytokine zalphall Ligand
Patent: US 6307024-A 39 23-OCT-2001;

Location/Qualifiers
                                           Gaps
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            Query Match 0.9%; Score 25; DB 1; Length 25; Best Local Similarity 100.0%; Pred. No. 1.5e+02; Matches 25; Conservative 0; Mismatches 0; Indels
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.00.0%; Pred. No. 1.5e+02;
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Li,W.-L.R. and Zhou,J.S.
Fluorescent oligonucleotides and uses thereof
Fluorescent oligonucleotides and uses thereof
Patent: US 6838244-A 2 04-JAN-2005;
Monsanto Technology LLC; St. Louis, MO
Location/Qualifiers
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Sequence 39 from patent US 6307024.
AR174582
AR174582.1 GI:17914902
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Matches 25; Conservative 0; Mismatches
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/wol_type="unassigned DNA"
                                                                                                                                                                     25 bp
Sequence 2 from patent US 6838244.
AR629269.1 GI:59759543
                                                                                                                                                                                                                                                                                                                                                                                               /organism="unknown"
/mol_type="genomic DNA"
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SOURCE
ORGANISM
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AR629269/c
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SM Wus sp.

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;

Sciurconathi; Muroidea; Muridae; Murinae; Mus.

1 (bases 1 to 26)

S Medel, Pa.A. B., Cohen, M., Colpitts, T.L., Friedman, P.N., Gordon, J.,

Granados, E.N., Hodges, S.C., Klass, M.R., Kratochvil, J.D.,

Russell, J.C., Scheffel, C.P., Stroupe, S.D. and Yu, H.

Reagents and methods useful for detecting diseases of the breast

ABBOTT LABORATORIES

PN JP 2002516576-A/14

PD 04-UJN-1998 JP 1999504891

PR 20-JJN-1998 JP 1999504891

PR 20-JJN-1999 J US 08/879354

PI PATRICIA A BILLING MEDEL, MAURICE COHEN, TRACEY L. COLPITTS, PAULA
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JP 2002516576-A/14.
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CI2N15/12, C07K14/47, C12Q1/68, C12N15/85, C12N5/10, C07K16/18, PC
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                                                                                                                                                        unclassified sequences.

It (bases 1 to 26)

Concelline.

Odostiline.

The Perkin Elmar Corp.

The Perkin Elmar Corp.

Do 20-01503973-A 2 27-MAR-2001;

THE PERKIN ELMAR CORP.

OS Unidentified

PD 27-MAR-2001

PP 02-0CT-1997 JP 1998516839

PR 04-0CT-1997 JP 1998516839

RROGER A 0'NEILL, JAR CAIN CHEN, CLAUDIA CHIESA, GEORGE FRY PC C1201/68, C1201/68, C1201/68, C1201/69, C120
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Location/Qualifiers
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    .26
    /organism="unidentified"
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/db_xref="taxon:3264"

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Topology: Linear;
BD007174.1 GI:18635545
JP 2001503973-A/2.
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Best Local Similarity 100.0
Matches 25; Conservative
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Gaps

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PAT 10-APR-2003

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PAT 18-DEC-2003

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Unclassified.

1 (bases 1 to 26)

Novak,J.E., Presnell,S.R., Sprecher,C.A., Foster,D.C., Holly,R.D., Gross,J.A., Johnston,J.V., Nelson,A.J., Dillon,S.R. and Hammond,A.K.
Hammond,A.K.
Methods of using zalphall ligand
Patent: US 6605272-A 39 12-AUG-2003;
ZymoGenetics Inc.; Seattle, WA
Location/Qualifiers
                                                                                                                                          dudkov,A.T.
Patent: WO 2005075644-A 1 18-AUG-2005;
Roche Diagnostics GmbH (DE); F. HOFFMANN-LA ROCHE AG (CH);
Institute of Protein Research (RU)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 (bases 1 to 26)
O'Neill, R.A., Chen, J.-K., Chiesa, C. and Fry, G.
O'Neill, R.A., Chen, J.-K., Chiesa, C. and Fry, G.
Multiplex polynucleotide capture methods and compositions
Patent: US 6514699-A 2 04-FEB-2003;
PE Corporation (NY); Foster City, CA
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                      0.9%; Score 25; DB 1; Length 26;
100.0%; Pred. No. 1.6e+02;
rative 0; Mismatches 0; Indels
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Pred. No. 1.6e+02;
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/organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"
1. .26
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Sequence 2 from patent US 6514699.
AR279358.1 GI:29714110
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  CS146523.1 GI:74036943
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AR374074.1 GI:40076646
                                                 unidentified
unidentified
unclassified sequences.
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PN JP 2002537839-A/36
PN JP 2002537839-A/36
PD 12-NOV-2002
PP 09-MAR-2000 JP 2000603382
PR 09-MAR-1999 US 09/264908,11-MAR-1999 US 09/265992 PR
01-JUL-1999 US 60/142013
PI JULIA E NOVAK, SCOTT R PRESNELL, CINDY A SPRECHER, DONALD C PI
FOSTER,
PI STCHARD D HOLLY, JANE A GROSS, JANET V JOHNSTON, ANDREW J NELSON,
PI STACEY R DILLON, ANGELA K HAMMOND
PC C12N15/09, AGIK38/00, AGIK45/00, AGIP35/00, AGIP37/00, C07K14/52,
PC C07K14/54, C07K14/55, C07K16/24, C07K19/00, C12N1/19, PC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         synthetic construct
synthetic construct
other sequences;
    (bases 1 to 26)
Novak,J.E., Presnell,S.R., Sprecher,C.A., Foster,D.C., Holly,R.D.,
Gross,J.A., Johnston,J.V., Nelson,A.J., Dillon,S.R. and
Hammond,A.K.
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Patent: JP 2002537839-A 36 12-NOV-2002;
ZYMOGENETICS INC
OS Artificial Sequence
PN JP 2002537839-A/36
PD 12-NOV-2002
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Sequence 1 from Patent WO2005075644.
CS146523
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                                                 1. .26
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AR404597.1 GI:40153233
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BD175131/c
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Patent: US 5707807-A 3 13-JAN-1998;
Location/Qualifiers
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Patent: US 5707807-A 2 13.JAN-1998;
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Sequence 3 from patent US 5707807.
I79496.1 GI:3207786
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Sequence 2 from patent US 5707807.
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Sequence 1 from patent US 6627748.
1. .26
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I79495.1 GI:3207785
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1 (bases 1 to 26)
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1 (bases 1 to 26)
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Unclassified.
I (bases I to 26)
Novak,J.E., Presnell,S.R., Sprecher,C.A., Foster,D.C., Holly,R.D.,
Gross,J.A., Johnston,J.V., Nelson,A.J., Dillon,S.R. and
Hammond,A.K.
1 (bases 1 to 26)
Ju,J., Li,Z., Tong,A. and Russo,J.J.
Combinatorial fluorescence energy transfer tags and their
applications for multiplex genetic analyses
Patent: US 6627748-A 1 30-SEP-2003;
The Trustees of Columbia University in the City of New York; New
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BD175131
BD175131.0 G1:29120825
JP 200252871-A/12.
Synthetic construct
synthetic construct
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Patent: JP 2002262871-A 12 17-SEP-2002;
VETERANS GENERAL HOSPITAL
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0.9%; Score 25; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 25; Conservative 0; Mismatches 0;
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/mol_type="genomic DNA"
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/organism="unknown"
/mol_type="genomic DNA"
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BD165919 29 bp DNA linear PAT 17-JAN-2003 Method for melting curve analysis of repetitive PCR products. BD165919
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Butheria, Euarchontoglires, Primates, Catarrhini,
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1 (bases 1 to 27)

Saalley, A.D. and Shen, C.K.
Sequential insertion of Alu family repeats into specific genomic sites of higher primates
Proc. Natl. Acad. Sci. U.S.A. 90 (15), 7205-7209 (1993)
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                                                                                                   Androgen receptor complex-associated protein
Patent: EP 1227150-A 16 31-JUL-2002;
Veterans General Hospital (TW)
Location/Qualifiers
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
                  other sequences; artificial sequences.
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/mol_type="genomic DNA"
/db_xref="taxon:9581"
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1 (bases 1 to 29)
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S64864.1 GI:415419
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Glires, Rodentia,
Sciurognathi, Muroidea, Muridae, Murinae, Rattus.
OS Artificial Sequence
PN JP 2002262871-A/12
PD 17-SEP-2002
PP 28-FEB-2001
PP 28-FEB-2001
PP 28-FEB-2001
PP 2011/15/09.
PC 121/15/09.
PC 121/15/09.
PC 3011/15/09.
PC 4/17.
PC 121/16/09.
PC 121/16/09.
PC 3011/16/09.
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Methods for identifying genes related to malfunctions of the central nervous system
Patent: WO 2004009842-A 28 29-JAN-2004;
Rheoscience A/S (DK)
Location/Qualifiers
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Location/Qualifiers
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/organism="synthetic construct"
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CQ770357.1 GI:45125027
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/organism="Rattus sp."
/mol_type="unassigned DNA"
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Sequence 16 from Patent EP1227150.
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AX492939.1 GI:23338609
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          Homo sapiens (human)
JP 2002191384-A/7
JP 2002191384-A/7
13-2002191384-A/7
13-NOV-2001 JP 2001348017
15-NOV-2000 EP 00124897.0
WOLFGANG DIETWALER
WOLFGANG DIETWALER
WOLFGANG FOR meling curve analysis of repetitive PCR products
Key
Location/Qualifiers
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
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Unclassified.
1 (bases 1 to 29)
Dietmaler, W.
Method for melting curve analysis of repetitive PCR products
Patent: US 6664064-A 7 16-DEC-2003;
Roche Diagnostics Corporation; Indianapolis, IN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Dietmaier,W.
Method for melting curve analysis of repetitive pcr products
Patent: EP 1207210-A 7 22-MAY-2002;
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                                                                                                                                                   /organism='Homo sapiens (human)'. Location/Qualifiers
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Sequence 7 from patent US 6664064.
AR438517
AR438517.1 GI:42663388
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Sequence 7 from Patent EP1207210.
AX430216

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HOFFMANN LA ROCHE AG
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Homo sapiens
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                                                                                                                                         Bource
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             DEFINITION
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AX430216
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HSA241944

Homo sapiens gp130 gene, partial, intron 14 splice acceptor site. AJ241944

AJ241944.

AJ241944.

AJ241944.1 GI:7105900

Gp130 gene; splice acceptor site.

Homo sapiens (human)

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 (bases 1 to 30)
Chang, C.-A., Urdea, M.S. and Horn, T.
N-4 modified pyrimidine deoxynucleotides and oligonucleotide probes synthesized therewith
Patent: US 5580731-A 2 03-DEC-1996;
Location/Qualifiers
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Direct Submission
Submitted (27-APR-1999) Szalai C., Heim Pal Pediatric Hospital
Submitted (27-APR-1999) Szalai C., Heim Pal Pediatric Hospital
Budapest, Budapest POBOX 66, H-1958 Hungary
Related sequence M57230.
Location/Qualifiers
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Roche Diagnostics GmbH (DE) ; F. HOFFMANN-LA ROCHE AG
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Pred. No. 1.8e+02;
0; Mismatches 5; Indels
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0.9%; Score 25; DB 1; Length 29;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 25; Conservative 0; Mismatches 0; Indels
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1 (bases 1 to 29)
Szalai,C., Toth,S. and Falus,A.
Exon-intron organization of the human gp130 gene Gene 243 (1-2), 161-166 (2000)
                                                                                                                                                                                                                                                                                                                                                                                                                       DNA
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                                                1. .29
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
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ORGANISM

KEYWORDS SOURCE

AUTHORS TITLE JOURNAL FEATURES

REFERENCE

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PAT 29-SEP-1999
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Dellinger,D.J., Dahm,S.C., Ilsley,D.D., Ach,R.A. and Troll,M.A. Hybridization assay signal enhancement
Patent: US 6103474-A 7 15-AUG-2000;
Location/Qualifiers
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0.9%; Score 24; DB 1; Lv
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 24; Conservative 0; Mismatches 0;
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Dellinger, D.J., Dahm,S.C. and Troll,M.A. Signal enhancement method and kit
Patent: US 5853993-A 1 29-DEC-1998;
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Unclassified.
1 (bases 1 to 24)
Dellinger, D.J., Dahm, S.C. and Troll, M.A.
Signal enhancement method and kit
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/organism="unknown"
/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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Seguence 1 from patent US 5853993.
AR068465
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Sequence 1 from patent US 6110682.
AR107972
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AR068465
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89.7%; Pred. No. 2e+02;
tive 0; Mismatches 3; Indels
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Johnson, E.M. and Bergemann, A.D.
Monoclonal antibodies to the pur protein
Patent: US 5869622-A 50 09-FEB-1999;
Location/Qualifiers
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Johnson, E.M. and Bergemann, A.D.
Cloning and expression of PUR protein
Patent: US 5756684-A 50 26-MAY-1998;
Location/Qualifiers
                                                              1. .24
/gene="gp130"
/note="splice acceptor site"
/number=14
                                                                                                                                                                                                                                                         2702 TIGIACTABAAAAAAAAAAAAAAAAAAA 2730
                                                                                                                                                                                                                                                                                                                                                                                       Sequence 50 from patent US 5756684.
AR010037
AR010037.1 GI:3968842
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AR034772
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                                                                                                                             25. .29
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                            1. .29
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Unclassified.
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Matches 26; Conserv
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Homo sapiens
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BD136714
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synthetic construct
other sequences; artificial sequences.
1 (Dases I to 24)
Patel, R. and Kurn, N.
Quantitative assay of nucleic acid amplification product
Patent: JP 2005504350-A 4 12-FEB-2002;
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Location/Qualifiers
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Immunostimulatory oligonucleotide"
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                                                                                                                                                Query Match 0.9%; Score 24; DB 1; Length 24; Best Local Similarity 100.0%; Pred. No. 1.7e+02; Matches 24; Conservative 0; Mismatches 0; Indels
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JP 2002504350-A/4
12-FBB-2002
17-FBB-1999 JP 2000532556
18-FBB-1999 US 09/025639
RAJESH PATEL, NURITH KURN
C1201/68, C12N15/09, C12N15/09
Synthetic DNA Probe
                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 19 from Patent W003101375. AX961624
Patent: US 6110682-A 1 29-AUG-2000;
Location/Qualifiers
1 24
/organism="unknown"
                                                                                                /mol_type="unassigned DNA"
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JP 2002504350-A/4.
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synthetic construct
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BD136714
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AX961624/c
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BD234330 24 bp DNA linear PAT 17-JUL-2003 Improved method for inserting nucleic acid into cyclic vector. BD234330
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Improved method for inserting nucleic acid into cyclic vector Patent: JP 2002532085-A 3 02-OCT-2002;
YURI ROMANTCHIKOV
OS Artificial Sequence
By JP 2002532085-A/3
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Location/Qualifiers
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0.9%; Score 24; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 24; Conservative 0; Mismatches 0; Indels
                                                                                            Length 24;
                                                                                          Query Match
0.9%; Score 24; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 24; Conservative 0; Mismatches 0; Indels
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Millennium Predictive Medicine, Inc. (US)
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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/organism="synthetic construct"
/mol type="genomic DNA"
/db_xref="taxon:32630"
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synthetic construct
other sequences; artificial sequences.
1 (bases 1 to 24)
Romantchikov, Y.
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Sequence 14833 from Patent WOO160860.
CQ482966
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17-DEC-1999 JP 2000588337
17-DEC-1998 US 09/2138:
YURI ROMANTCHIKOV
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JP 2002532085-A/3.
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PAT 20-JUN-2002

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Quantitative determination of nucleic acid amplification products Patent: US 6365346-A 4 02-APR-2002; Location/Qualifiers
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Singh,S. and Ullman,E.F.
Chemiluminescent compositions for use in detection of multiple
                                                                                                                                                                                                                                                             0.9%; Score 24; DB 1; Length 24; 100.0%; Pred. No. 1.7e+02; tive 0; Mismatches 0; Indels
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.00.0%; Pred. No. 1.7e+02;
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1 (bases 1 to 24)
1 (bases 1 to 24)
1 Cruson,I.
Front tube furrow opener attachment
Patent: US 6457426-A 1 01-OCT-2002;
Dutch Blacksmith Shop Ltd.; Saskatchewan;
CAX;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Patent: US 6406667-A 4 18-JUN-2002;
Dade Behring Marburg GmbH; Marburg;
DEX;
                                                                                                                                                                                                                                /mol_type="unassigned DNA"
24 bp
Sequence 4 from patent US 6365346.
AR202876.1 GI:21499117
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Sequence 4 from patent US 6406667.
AR213697
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Sequence 1 from patent US 6457426
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/organism="unknown"
/mol_type="genomic DNA"
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/organism="unknown"
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Patel, R. and Kurn, N.
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Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 24; Conservative 0; Mismatches 0;
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Johnson, E.M. and Bergmann, A.D.
Cloning and expression of pur protein
Patent: US 5545551-A 25 13-AUG-1996;
Location/Qualifiers
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Patent: US 6346384-A 11 12-FEB-2002;

    .24
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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Sequence 25 from patent US 5545551.
124762.1 GI:1604632
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/mol_type="unassigned DNA"
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AR184443
AR184443.1 GI:20230408
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Pollner, R.B.
                                                                                                      Best Local Similarity
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Ito, K.

Pyrexia-associated genes and pyrexia-associated proteins of plants
Patent: US 6825321-A 10 30-NOV-2004;
Japan Science and Technology Corporation; Saitama;
JPX;
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1 (bases 1 to 24)
Romanchikov, Y.
Methods for instrion of nucleic acids into circular vectors
Patent: US 6825011-A 3 30-NOV-2004;
Location/Qualifiers
                                                                                                                                              J. (Dassiller.)
Maekawa,T., Mitsui,A., Date,M., Fukuda,H. and Takahara,Y.
Maeklod for analyzing gene expression frequency
Patent: US 680649-A 28 19-OCT-2004;
Ajinomoto Co., Inc.; Tokyo;
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Matches 24; Conservative 0; Mismatches 0;
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Sequence 10 from patent US 6825321.
AR610913
          Sequence 28 from patent US 6806049.
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Sequence 3 from patent US 6825011.
AR609517
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/mol_type="genomic DNA"
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Patel, R. and Kurn, N.
Quantitative determination of nucleic acid amplification products
Patent: US 6573054-A 4 03-JUN-2003;
Dade Behring Inc.; Deerfield, IL
Location/Qualifiers
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Unknown.
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Unclassified.
S Su.X., Dong,H. and Ryder,T.B.
Amplification of nucleic acids
Amplification.
Affymetrix, Inc.; Santa Clara, CA
Location/Qualifiers
Location/Qualifiers
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Sequence 4 from patent US 6573054.
AR340571.
AR340571.1 GI:33732217
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Sequence 1 from patent US 6582938.
AR345020
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/mol_type="genomic DNA"
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/organism="unknown"
Location/Qualifiers
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Unclassified.
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PAT 30-APR-2001
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                                                                                                                                                                           Krieg,A.M., Schetter,C. and Vollmer,J.C.
Immunostimulatory nucleic acids
Patent: W0 0122972-A 433 05-APR-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US) ; Coley Pharmaceutical GmbH (DE)
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Patent: WO 0122972-A 961 05-APR-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US) ; Coley Pharmaceutical
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Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 24; Conservative 0; Mismatches 0;
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Sequence 433 from Patent WO0122972.
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Sequence 962 from Patent W00122972.
AX104770
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Sequence 961 from Patent W00122972.
AX104769
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AX104241.1 GI:13920438
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AX104241/c
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Plant thermogenic genes and proteins
Patent: US 6927288-A 10 09-AUG-2005;
Japan Science and Technology Corporation; Saitama;
JPX;
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Li, W.-L.R. and Zhou, J.S.
Fluorescent oligonucleds and uses thereof
Fluorescent oligonucled.
Fluorescent oligonucles
Monsanto Technology LLC; St. Louis, MO
Location/Qualifiers
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AR703906
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Sequence 5 from patent US 6838244.
AR629272
AR629272.1 GI:59759548
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/mol_type="genomic DNA"
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/mol_type="genomic DNA"
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/mol_type="genomic DNA"
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Best Local Similarity 100.0
Matches 24, Conservative
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Krieg,A.M., Schetter,C. and Vollmer,J.C.
muniostimulatory nucleic acids
Patent: WO 0122972-A 962 05-APP-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US) ; Coley Pharmaceutical
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Real time monitoring of PCR using loci
Real time monitoring of PCR using loci
Patent: WO 0173129-A 11 04-0CT-2001;
DADE BEHRING INC. (US)
Location/Qualifiers
1. 24
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/noTe="Oligonucleotide attached to beads"
                                                                                                                                                                       Length 24;
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UNIVERSITY OF IOWA RESEARCH FOUNDATION (US)
Location/Qualifiers
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Local Similarity 100.0%; Pred. No. 1.7e+02;
Nes 24; Conservative O; Mismatches O;
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/organism="synthetic construct"
/mol type="unassigned DNA"
/db_xref="taxon:32630"
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other sequences; artificial sequences.
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Sequence 11 from Patent WO0173129.
AX354553
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ch 0.9%; Score 24; DB 1; Length 24; l Similarity 100.0%; Pred. No. 1.7e+02; 24; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 24; Conservative 0; Mismatches 0;
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Pred. No. 1.7e+02;
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/noTe="Poly(dT)24 primer"
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/organism="synthetic construct"
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Gene silencing using mrna-cdna hybrids
Patent: WO 0210374-A 12 07-FEB-2002;
UNIVERSITY OF SOUTHERN CALIFORNIA (US)
Location/Qualifiers
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other sequences; artificial sequences.
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/db_xref="taxon:32630"
/noTe="Synthesized"
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Sequence 12 from Patent WO0210374.
AX427163
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AX428574
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PAT 29-MAR-2003

AX547294/c

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ORGANISM

KEYWORDS

SOURCE

REFERENCE AUTHORS JOURNAL

FEATURES

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Mack,D.H., Gish,K.C. and Wilson,K.E.
Methods of diagnosing colorectal cancer and/or breast cancer,
compositions, and methods of screening for colorectal cancer and/or
breast cancer modulators

Patent: WO 02059609-A 13 01-AUG-2002;

EOS Biotechnology, Inc. (US)

Location/Qualifiers
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Methods of diagnosing breast cancer and screening for modulators
Patent: WO 0221134-A 11 14-MAR-2002;
EOS Biotechnology, Inc. (US)
Location/Qualifiers
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Bratzler,R.L.
Inhibition of angiogenesis by nucleic acids
Patent: WO 02053141-A 962 11-JUL-2002;
Coley Pharmaceutical Group, Inc. (US)
Location/Qualifiers
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0.9%; Score 24; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 24; Conservative 0; Mismatches 0;
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Synthetic Sequence"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="T7-(dT)-24 primer"
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="caxon:32630"
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Sequence 13 from Patent WO02059609.
AX684290
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Sequence 11 from Patent W00221134.
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AX684290/c
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Inhibition of angiogenesis by nucleic acids
Patent: WO 02053141-A 961 11-JUL-2002;
Coley Pharmaceutical Group, Inc. (US)
Location/Qualifiers
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Synthetic Sequence"
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="texon:32630"
/note="Synthetic Sequence"
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Sequence 433 from Patent WO02053141.
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Sequence 961 from Patent W002053141.
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PAT 20-JUN-2003

RESULT 187 AX547823

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Methods of diagnosis of breast cancer, compositions and methods of screening for modulators of breast cancer
Patent: WO 02059377A 140 01-AVG-2002;
EOS Biotechnology, Inc. (US)
Location/Qualifiers
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(bases 1 to 25)
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PD 10-JUL-2001
PP 12-DEC-1997 JP 1998534358
PR 15-JAN-1997 US 08/784162
PI JINGYUE JU
                                                                                                                                                                                                                                                                                                                                                                                                                                                    /organism="synthetic construct"
|mol_type="unassigned DNA"
|db_xref="textn:32630"
|note="Description of Artificial Sequence:T7-T24 oligo"
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/note="t at positions 8-24 may be present or absent"
/mod_base=OTHER
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Strandedness: Single;
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JP 2001509271-A/1.
Arabidopsis thaliana (thale cress)
Arabidopsis thaliana
 /note="T7-(dT)-24 primer"
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17-DEC-1998 US 09/213834
YURI ROMANTCHIKOV
C12N15/09,C12N1/15,C12N1/19,C12N1/21,C12N5/10,C12N15/00,C12N5/
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Improved method for inserting nucleic acid into cyclic vector
BD234336
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Unclassified.
Unclassified.
1 (bases 1 to 25)
1 (bases 1 to 25)
Romantchikov, Y.
Methods for insertion of nucleic acids into circular vectors
Patent: US 6825011-A 9 30-NOV-2004;
Location/Qualifiers
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Location/Qualifiers
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0.9%; Score 24; DB 1; Lo
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 24; Conservative 0; Mismatches 0;
Location/Qualifiers

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JP 2002532085-A/9.
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PAT 15-DEC-2004

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C12N15/09, C12N1/15, C12N1/19, C12N1/21, C12N5/10, C12N15/00, C12N5/
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Romantchikov,Y.
Methods for insertion of nucleic acids into circular vectors
Patent: US 6825011-A 8 30-NOV-2004;
Location/Qualifiers
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Romantchikov,Y.
Methods for insertion of nucleic acids into circular vectors
Patent: US 6825011-A 12 30-NOV-2004;
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Location/Qualifiers
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Pred. No. 2e+02;
0; Mismatches 0; Indels
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|db_xref="taxon:32630"

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Sequence 8 from patent US 6825011.
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/mol_type="genomic DNA"
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    17-DEC-1999 JP 2000588337
17-DEC-1998 US 09/2138:
YURI ROMANTCHIKOV
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                                                                                 Cloning Vector
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CIZN15/09, CIZN1/15, C1ZN1/19, C1ZN1/21, C1ZN5/10, C1ZN15/00, C1ZN5/
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                                                                                                                                                                                                           Improved method for inserting nucleic acid into cyclic vector. BD234335 BD234335.1 GI:33044105 UP SYNCHARY COOS52085-A/8.
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                                                                                                Gaps
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YURI ROMANTCHIKOV
OS Artificial Sequence
PN JP 2002532085-A/12
PD 02-OCT-2002
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/organism='Artificial Sequence'

                                                             ch 0.9%; Score 24; DB 1; Length 25; Similarity 100.0%; Pred. No. 1.8e+02; 24; Conservative 0; Mismatches 0; Indels
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    .28
    ^organism="synthetic construct"
|mol_type="genomic DNA"
|db_xref="taxon:32630"

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1 (bases 1 to 28)
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1 (bases 1 to 28)
1. .25
/organism="unknown"
/mol_type="genomic DNA"
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JP 2002532085-A/8
02-OCT-2002
17-DEC-1999 JP 2000588337
17-DEC-1999 US 09/213834
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BD234339/c
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BD234335/c
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PAT 14-JAN-2004

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RESULT 198

AR098647 LOCUS

Matches

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TITLE JOURNAL

AUTHORS REFERENCE

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BD244857.1 GI:33054627

BD244857.1 GI:33054627

JP 2002532063-A/2.

Synthetic construct

SM synthetic construct

construct

construct

other sequences; artificial sequences.

E 1 (bases 1 to 23)

S Pelletier, J. and Das, M.

Oligonucleotide primer capable of making the non-specific double strand formation unstable

Artificial Sequence

NCGILL UNIVERSITY

MCGILL UNIVERSITY

OS Artificial Sequence

PN JP 200253263-A/2

PD 02-OCT-2002
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                Basten, D., Dekker, P.J., Schuurhuizen, P.W., Schaap, P.J. and
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                                                                                                                                                                                                                          Query Match 0.8%; Score 23.2; DB 1; Length 24; Best Local Similarity 95.8%; Pred. No. 2e+02; Matches 23; Conservative 1; Mismatches 0; Indels
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/organism="synthetic construct"
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/db xref="taxon:32630"
/note="Immunostimulatory oligonucleotide"
                                                                                                                      1. .24
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/db_xref="taxon:32630"
/note="RT reaction primer"
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                                   Visser.J.
Aminopeptidase
Patent: WO 0216618-A 21 28-FEB-2002;
DSM N.V. (NL)
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Sequence 74 from Patent W003101375.
AX961679
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synthetic construct
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BD244857/c
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AX961679/c
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                                                                                                                                                                                                                                                                 Unclassified.
Unclassified.
1 (bases 1 to 26)
5 Kool,E.T.
Highly sensitive multimeric nucleic acid probes
1. Patent: US 6077668-A 5 20-JUN-2000;
Location/Qualifiers
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Circular DNA vectors for synthesis of RNA and DNA
Patent: US 6368802-A 5 09-APR-2002;
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96.0%; Pred. No. 2.1e+02;
ative 0; Mismatches 1;
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synthetic construct
other sequences; artificial sequences.
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1. .26
/organism="unknown"
/mol_type="unassigned DNA"
0; Mismatches
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Sequence 5 from patent US 6077668.
AR098647
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Sequence 21 from Patent WO0216618.
AX391871
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                                                         AR098647.1 GI:12808413
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Best Local Similarity 96.08
Matches 24; Conservative
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24; Conservative
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Matches 24; Conserva
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Best Local Similarity 100.0
Matches 23; Conservative
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06-OCT-1999 JP 2000574722
07-OCT-1998 CA 2246623
JERRY PELLETIER, MALULADA DAS
C12N15/09, C12Q1/68, C12N15/00
Description of Artificial Sequence: synthetic oligonucleotide
Key
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1 (bases 1 to 24)

Vaisbergy E.A., Adams, C.L., Sabry, J.H. and Crompton, A.M.

Database system including computer code for predictive cellular bioinformatics

Patent: US 6651008-A 4 18-NOV-2003;

Cytokinetics, Inc.; South San Francisco, CA

Location/Qualifiers
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Unclassified.
1 (bases 1 to 24)
1 (bases 1 to 24)
2 (bases 1 to 24)
Polymorphic repeats in human genes
Patent: US 6472154-A 134 29-OCT-2002;
Board of Regents, The University of Texas System; Austin,
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                                                                                     /organism='Artificial Sequence'
Location/Qualifiers
1. .23
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0.8%; Score 23; DB 1; Length 23;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 23; Conservative 0; Mismatches 0; Indels
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/organism="synthetic construct"
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/db_xref="taxon:32630"
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Seguence 134 from patent US 6472154.
AR241846
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AR431310.1 GI:40193278

    .24
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    /mol_type="genomic DNA"

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AR431310/c
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0.8%; Score 23; DB 1; Length 24; 100.0%; Pred. No. 2.1e+02; tive 0; Mismatches 0; Indels
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100.0%; Pred. No. 2.2e+02;
tive 0; Mismatches 0;
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/noTe="Primer"
                                                                                                                                                                                                                      DNA
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                                                                                                                                                                                                                                                                                                                                                         other sequences; artificial sequences.
                                                                                                                                                                                                                    AX116188 25 bp D. Sequence 1311 from Patent WO0129262.
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Sequence 10 from Patent WO9720924.
A63569
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                             PAT 15-DEC-2005
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Unclassified.

Unclassified.

I (bases 1 to 24)
Vaisberg, E.A. Adams, C.L., Sabry, J.H. and Crompton, A.M.
Vaisberg, E.A. Adams, C.L., Sabry, J.H. and Crompton, A.M.
Database system including computer code for predictive cellular
bioinformatics
Patent: US 6651008-A 1 18-NOV-2003;
Patent: US 651008 A 1 18-NOV-2003;
CytoKinetics, Inc.; South San Francisco, CA
                                                                                                                                                        Krieg,A.M.
Immunostimulatory nucleic acids for inducing il-10 responses
Patent: WO 2005111057-A 27 24-NOV-2005;
Cley Pharmaceutical GmbH (DE); Coley Pharmaceutical Group, Inc. (US)
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/note="where the linkages between bases are
phosphorothioate linkages"

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/organism="synthetic construct"
/organism="unassigned DNA"
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/noTe="Synthetic oligonucleotide"
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synthetic construct
other sequences; artificial sequences.
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Sequence 27 from Patent WO2005111057.
CS223628
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Sequence 42 from patent US 5578468.
129929
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Sequence 1 from patent US 6651008.
AR431307.1 GI:40193275
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AR431307/c
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Patent: WO 0218638-A 52 07-MAR-2002;
Gemini Genomics PLC (GB)
Location/Qualifiers
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Patent: WO 0218638-A 59 07-MAR-2002;
Gemini Genomics PLC (GB)
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/db xref="taxon:32630"
/note="Synthetic oligonucleotide"
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/db xref="taxon:32630"
/noTe="Synthetic oligonucleotide"
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1 (bases 1 to 25)
Pickup,D.J., Patel,D. and Antczak,J.B.
Site-specific RNA cleavage
Patent: US 5578468-A 42 26-NOV-1996;
Location/Qualifiers
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synthetic construct
other sequences, artificial sequences.
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Sequence 52 from Patent W00218638.
AX394507
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Location/Qualifiers
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Best Local Similarity 100.
Matches 22; Conservative
              Unclassified.
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AR261539
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Torrence, P.F., Silverman, R.H., Maitra, R.K. and Lesiak, K.
Chimeric molecules targeted to viral RNAs
Patent: US 6271369-A 19 07-AUG-2001,
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0.8%; Score 22.4; DB 1; Length 25;
95.8%; Pred. No. 2.4e+02;
tive 0; Mismatches 1; Indels
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Torrence,P., Silverman,R., Maitra,R. and Lesiak,K.
Method of cleaving specific strands of RNA
Patent: US 5583032-A 19 10-DEC-1996;
Location/Qualifiers
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Sequence 19 from patent US 6271369.
AR164336
AR164336.1 GI:16235464

    .22
    /organism="unknown"
    /mol_type="unassigned DNA"

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/organism="unknown"
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Sequence 19 from patent US 5677289.
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Best Local Similarity 100.0
Matches 22; Conservative
                         23; Conservative
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Matches 23; Conserv
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1 (bases 1 to 24)
Chetverin,A.B. and Kramer,F.R.
Chetverin,A.B. and Kramer,F.R.
Oligonuclectide arrays and their use for sorting, isolating,
sequencing, and manipulating nucleic acids
Patent: US 6322971-A 6 27-NOV-2001;
The Public Health Research Institute of the city of New York, Inc.;
New York, NY
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1 (bases 1 to 22)
Torrence, P., Silverman, R., Maitra, R. and Lesiak, K.
Method of cleaving specific strands of RNA and medical treatments
                                                                                                                                                                                                                                                                                                           Gaps
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/organism="synthetic construct"
/mol type="unassigned DNA"
/db_xref="taxon:32630"
/note="Description of Artificial Sequence: primer"
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other sequences; artificial sequences.
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                                                                          thereby Patent: US 5677289-A 19 14-OCT-1997;
                                                                                                                                                                                               /mol_type="unassigned DNA"
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Sequence 21 from Patent WO03084565.
AX927891
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Sequence 6 from patent US 6322971.
AR261539 GI:28072607
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    .22
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23; Conservative
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AR431308/c
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AR758058/c
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AR431312/c
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/organism="synthetic construct"
/organism="synthetic construct"
/db_xref="unassigned DNA"
/nbc=="Viral vector sequence"
/note="Fig. 1C. SV40 early Poly(A) site"
3. .24
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0.8%; Score 22; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 22; Conservative 0; Mismatches 0; Indels
                                                 Query Match 0.8%; Score 22; DB 1; Length 24; Best Local Similarity 100.0%; Pred. No. 2.5e+02; Matches 22; Conservative 0; Mismatches 0; Indels
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/note="Fig. 1C. SV40 early Poly(A) site"
3. .24
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="teaxon:32630"
/noTe="Viral vector sequence"
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Patent: WO 02067861-A 18 06-SEP-2002;
Location/Qualifiers
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Patent: WO 02068627-A 8 06-SEP-2002;
Location/Qualifiers
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Sequence 18 from Patent WO02067861.
AX817782
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Sequence 8 from Patent WO02068627.
AX838369
AX838369.1 GI:39922050
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                                                                                                                                                                                                                                                                                                          1 (bases 1 to 25)
Kane, M.D., Nagel, A.C. and Dombkowski, A.A.
Compositions and systems for identifying and comparing expressed
genes (mRNAs) in eukaryotic organisms
Patent: US 6955876-A 5 18-OCT-2005;
Location/Qualifiers
1. 25
/organism="unknown"
/mol_type="genomic DNA"
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Vaisberg, E.A., Adams, C.L., Sabry, J.H. and Crompton, A.M.
Vatabase system including computer code for predictive cellular bioinformatics
Patent: US 652108-A 2 18-NOV-2003;
Cytokinetics, Inc., South San Francisco, CA
Location/Qualifiers
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Sequence 5 from patent US 6955876.
AR758058
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Sequence 2 from patent US 6651008.
AR431308
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Sequence 6 from patent US 6651008.
AR431312
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/organism="unknown"
/mol_type="genomic DNA"
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Location/Qualifiers
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Unclassified.
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Matches 21; Conservat
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AR084524/c
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ACCESSION
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AR093143/c
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FEATURES
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1 (bases 1 to 25)

Rane,M.D., Nagel,A.C. and Dombkowski,A.A.

Compositions and systems for identifying and comparing expressed genes (mRNAs) in eukaryotic organisms

Patent: US 695876.A 2 18-CCT-2005;
          Unclassified.

1 (bases 1 to 24)

1 (bases 1 to 24)

Vaisberg, E.A., Adams, C.L., Sabry, J.H. and Crompton, A.M.

Database system including computer code for predictive cellular bioinformatics

Patent: US 651008-A 6 18-NOV-2003;

Cytokinetics, Inc.; South San Francisco, CA

Location/Qualifiers
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Watson,M.A. and Fleming,T.P.
Mammaglobin, a mammary-specific breast cancer protein
Patent: US 5968754-A 13 19-OCT-1999;
                                                                                                                                                                                        Query Match 0.8%; Score 21.4; DB 1; Length 24; Best Local Similarity 95.7%; Pred. No. 2.8e+02; Matches 22; Conservative 0; Mismatches 1; Indels
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/mol_type="unassigned DNA"
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Sequence 2 from patent US 6955876.
AR758055 GI:83323632
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/organism="unknown"
/mol_type="genomic DNA"
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Best Local Similarity 100.
Matches 21; Conservative
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PAT 01-SEP-2000
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  PAT 01-SEP-2000
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                                                                                                                           Unclassified.
1 (bases 1 to 21)
1 (bases 1 to 21)
Matson,R.S., Coassin,P.J., Rampal,J.B. and Caskey,C.Thomas.
Oligonuclectide repeat arrays
Patent: US 5981185-A 10 09-NOV-1999;
Location/Qualifiers
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Matson, R.S., Coassin, P.J., Rampal, J.B. and Caskey, C.Thomas.
Oligonuclectide repeat arrays
Patent: US 5981185-A 13 09-NOV-1999;
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Pred. No. 2.7e+02;
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/organism="unknown"
/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
AR084521 21 bp
Sequence 10 from patent US 5981185.
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Sequence 13 from patent US 5981185.
AR084524
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BD224108/C
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SOURCE
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BD183617/c
LOCUS
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Mammaglobin, a secreted mammary specific breast cancer protein.
BD080832
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Unidentified
DP 201015659-A/10
02-OCT-2001
18-SEP-1998 JP 2000511779
18-SEP-1997 US 08/933149
MARK A WATSON, TIMOTHY P FLEMING
C12N15/09, A61K35/26, A61K39/00, A61K39/395, A61K39/395, A61K39/395, A61K39/395,
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                                                                                                                                                                                                                                                                                                                                            Unknown.
Unknown.
Unclassified.
1 (bases 1 to 21)
1 (bases 1 to 21)
Watson,W.A. and Fleming,T.P.
Watson,W.A. and Fleming,T.P.
Wathod for detecting the presence of breast cancer by detecting an increase in mammaglobin mRNA expression
increase in mammaglobin mRNA expression
Patent: US 6004756-A 13 21-DEC-1999;
Location/Qualifiers
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JP 2001516569-A/10.
unidentified
unidentified
unclassified sequences.
1 (bases 1 to 21)
Watson, M.A. and Pleming, T.P.
Wammaglobin, a secreted mammary specific breast cancer protein
Patent: JP 2001516569-A 10 02-OCT-2001;
WASHINGTON UNIVERSITY
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Bergan, R. and Neckers, L.
Inhibition of protein kinase activity by aptameric action of oligonucleorides
Patent: US 5998586-A 12 07-DEC-1999;
Location/Qualifiers
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Sequence 13 from patent US 6004756.
AR095412
AR095412.1 GI:10023262

    .21
    /organism="unknown"
    /mol_type="unassigned DNA"

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Strandedness: Single;
Topology: Linear;
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BD080832/c
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BD224108 21 bp DNA linear PAT 17-JUL-2003 Mammaglobin, breast cancer secretory protein specific to mamma. BD224108 BD224108 1 GI:33033878 BD224108-1 GI:33033878 SP 2002525098-A/10. synthetic construct
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Mammaglobin, a secreted mammary specific breast cancer protein
Key
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1 (bases 1 to 21)
Mineno, J., Asada, K., Kato, I., Tanabe, C., Sasaki, H. and Terada, M.
Method for amplifying DNA
Method for amplifying DNA
Patent: JP 2002345466-A 69 03-DEC-2002;
TAKARA BIO INC, THE PRESIDENT OF NATIONAL CANCER CENTER JAPAN, THE
ORGANIZATION FOR PHARMACEUTICAL SAFETY AND RESEARCH
OS Artificial Sequence
DN JP 2002345466-A/69
PN JP 2002345466-A/69
PN JP 2002145466-A/69
PP 03-DEC-2002
PP 08-MAX-2001 JP 201137858
PI JUNICHI MINENO, KIYOZO ASADA, IKUNOSHIN KATO, CHIKAKO TANABE. PI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PF 08-MAY-2001 JP 2001137858
PI JUNICHI MINENO, KIYOZO ASADA, IKUNOSHIN KATO, CHIKAKO TANABE,
HIROKI SASAKI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                a primer
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C12N15/09,C12N15/00
Description of Artificial Sequence: a sequence of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /organism='Artificial Sequence'.
Location/Qualifiers
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                                                               organism='Unidentified'
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100.0%; Pred. No. 2.7e+02;
iive 0; Mismatches 0;
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ATP dependent DNA helicase gene
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    .21
    forganism="synthetic construct"
|mol_type="genomic DNA"
|db_xref="taxon:32630"

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    .21
    /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

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BD183617
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JP 2002345466-A/69.
synthetic construct
synthetic construct
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Gaps

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PAT 07-0CT-1997

ORGANISM

REFERENCE AUTHORS TITLE

JOURNAL

COMMENT

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Unclassified.

In (bases 1 to 21)
Watson, M.A. and Fleming, T.P.
Wammaglobin, a secreted mammary-specific breast cancer protein
Patent: US 6566072-A 13 20-MAY-2003;
Washington University; St. Louis, MO
Location/Qualifiers
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Watson, M.A. and Fleming, T.P.
Manmaglobin, a secreted mammary-specific breast cancer protein
Patent: US 6677428-A 13 -3AN-2004;
Washington University; St. Louis, MO
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100.0%; Pred. No. 2.7e+02;
ive 0; Mismatches 0; Indels
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100.0%; Pred. No. 2.7e+02;
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Sequence 13 from patent US 5668267.
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Sequence 13 from patent US 6677428.
AR452591
AR452591.1 GI:42684381
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/organism="unknown"
/mol_type="mRNA"
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Best Local Similarity 100.0
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AR452591/c
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PN JP 2002525098-A/10
PN JP 2002525098-A/10
PN JP 2002525098-A/10
PN 29-SEP-1999 UP 2000572241
PR 29-SEP-1999 US 09/162622
PI MARK A WATSON, TIMOTHY P FLEMING
PC CL2N15/09, CL2Q1/68, G01N33/53, G01N33/566, G01N33/574, PC CL2N15/00
CC Description of Artificial Sequence:Synthetic FH Key Location/Qualifiers
FT Source Location/Qualifiers
FT F Source Corporation Corpora
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                     other sequences; artificial sequences.

1 (bases 1 to 21)
Watson,M.A. and Fleming,T.P.
Watson,M.A. and Fleming,T.P.
Mammaglobin, breast cancer secretory protein specific to parent: JP 200252598-A 10 13-AUG-2002;
WASHINGTON UNIVERSITY
OS Artificial Sequence
PN JP 2002525098-A/10
PP 13-AUG-2002
PP 29-SEP-1999 UP 200572241
PR 29-SEP-1998 US 09/162622
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Gilad, S., Einat, P. and Grossman, A.
Method for enrichment of natural antisense messenger RNA
Patent: US 6528262-A 4 04 MAR-2003;
Quark Biotech, Inc.; Cleveland, OH;
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    .21
    forganism="synthetic construct"
|mol type="genomic DNA"
|db_xref="taxon:32630"

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Sequence 13 from patent US 6566072.
AR322245. GI:33707814
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Sequence 4 from patent US 6528262.
AR285028
AR285028.1 GI:29721942
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/mol_type="genomic DNA"
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LOCUS
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DEFINITION ACCESSION

RESULT 231

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VERSION KEYWORDS SOURCE

REFERENCE AUTHORS TITLE JOURNAL

FEATURES

AR322245/c RESULT 232

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PAT 20-FEB-2004

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AR629273/c

RESULT 235

8 g ORGANISM

REFERENCE AUTHORS JOURNAL

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Weiner, G. and Hartmann, G.
Methods for enhancing antibody-induced cell lysis and treating
                                                                     Gilad,S., Einat,P. and Grossman,A.
Method for enrichment of natural antisense messenger rna
Patent: WO 0125488-A 4 12-APR-2001;
Quark Biotech, Inc. (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 0.8%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 2.7e+02; Matches 21; Conservative 0; Mismatches 0; Indels
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Inhibition of angiogenesis by nucleic acids
Patent: WO 02053141-A 912 11-JUL-2002;
Coley Pharmaceutical Group, Inc. (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Patent: WO 0197843-A 840 27-DEC-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /mol_type="unassigned DNA"
/db_xref="taxon:32650"
/note="Synthetic oligonuleotide
phosphorothicate backbone"
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0.8%; Score 21; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 21; Conservative 0; Mismatches 0;
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/mol type="unassigned DNA"
/bxref="taxon:3260"
/nore="OLIGONUCLEOTIDE PRIMERS"

    .21
    /organism="synthetic construct"

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AX547773
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Sequence 840 from Patent WO0197843.
AX355812.
AX355812.1 GI:18620480
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muninostimulatory nucleic acids
Patent: WO 0122972-A 912 05-ABP-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US); Coley Pharmaceutical
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0.8%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
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1 (Mclassified.
2 1 (M.-L.R. and Zhou, J.S.
2 Li, W.-L.R. and Zhou, J.S.
Fluorescent oligonucleotides and uses thereof
AL Patent: US 6383844-A 6 04-JAN-2005;
Monsanto Technology LLC; St. Louis, MO
Location/Qualifiers
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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other sequences; artificial sequences.
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Sequence 912 from Patent W00122972.
AX104720 GI:13920917
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Sequence 6 from patent US 6838244.
AR629273.1 GI:59759550
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Sequence 4 from Patent WO0125488.
AX107098 GI:13922604
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/mol_type="genomic DNA"
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Query Match 0.8%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 2.7e+02; Matches 21; Conservative 0; Mismatches 0; Indels
                                                                                     Boekenkamp, D., Dieck, T.H. and Hoppe, H.U.
Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A SO 04-SEP-2003;
Degussa Bioactives GmbH (DE)
Location/Qualifiers
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/db xref="taxon:32630"
/note="Beschreibung der kuenstlichen
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Sequenz:Capture-Oligonukleotid"
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/mod_base=OTHER

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AX825163.1 GI:39750892
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Method for sorting single-stranded nucleic acids
Parent: WO 3072818-A 8 04-SEP-2003;
Degussa Bloactives GmbH (DE)
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Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 21; Conservative 0; Mismatches 0;
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/mol_type="unassigned DNA"
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/noTe="Synthetic Sequence"
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Sequence 50 from Patent WO03072818.
AX825152.
AX825152.1 GI:39750881
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Sequence 8 from Patent WO03072818.
AX825110
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0.8%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 21; Conservative 0; Mismatches 0; Indels
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Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 64 04-SEP-2003;
Degussa Bioactives GmbH (DE)
Location/Qualifiers
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Sequence 64 from Patent WO03072818.
AX825166
AX825166.1 GI:39750895
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AX825166/c
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DNA linear PAT 17-JUL-2003 Oligonucleotide primer capable of making the non-specific double strand formation unstable.
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loss artificial sequences.
1 (bases 1 to 23)
Pelletier, J. and Das, M.
Oligonucleotide primer capable of making the non-specific double
Patrand formation unstable
Patent: JP 2002532063-A 10 02-OCT-2002;
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    .23
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/mol type="genomic DNA"
        /db_xref="taxon:32630"

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JP 2002532030-A/10
02-OCT-2002
06-OCT-1999 JP 2000574722
07-OCT-1998 CA 2246623
JERRY PELLETIER MANJULA DAS
C12N1S/09,C12Q1/68,C12N1S/09
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21 AAAAAAAAAAAAAAAAA 1
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JP 2002532063-A/10.
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JP 2002532063-A/8.
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Tue Nov

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ACCESSION VERSION KEYWORDS SOURCE ORGANISM

AUTHORS TITLE

REFERENCE

JOURNAL

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RESULT 246

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PAT 15-DEC-2004

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Nicolaides, N.C., Sass, P.M., Grasso, L., Vogelstein, B. and Kinzler, K.W.

Kinzler, K.W.

Method for generating hypermutable organisms

Patent: WO 0188192-A 3 22-NOV-2001;

The Johns Hopkins UNiversity School of Medicine (US); Morphotek Inc. (US); Nicolaides, Micholas, C. (US); Sass, Philip, M. (US) Grasso, Luigi (US); Vogelstein, Bert (US)

Location/Qualifiers
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Unknown.
Unclassified.
I (bases I to 26)
Nicolaides,N.C., Sass,P.M., Grasso,L., Vogelstein,B. and
Kinzler,K.W.
Method for generating hypermutable organisms
Patchot is 6825038-A 3 30-NOV-2004;
The Johns Hopkins University and Morphotek, Inc.; Baltimore, MD
Location/Qualifiers
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100.0%; Pred. No. 3.2e+02;
ive 0; Mismatches 0; Indels
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other sequences; artificial sequences.
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Sequence 3 from patent US 6825038.
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Sequence 3 from Patent WO0188192.
AX338547.
AX338547.1 GI:18128947
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AX338547
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Description of Artificial Sequence: synthetic oligonucleotide N - inosine N = inosine
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1 (bases 1 to 24)

Rane, M.D., Nagel, A.C. and Dombkowski, A.A.

Compositions and systems for identifying and comparing expressed genes (mRNAs) in eukaryotic organisms

Patent: US 6955876-A 3 18-OCT-2005;

Location/Qualifiers
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100.0%; Pred. No. 3e+02;
ive 0; Mismatches 0; Indels
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W Unclassified.

B 1 (bases 1 to 24)

S Kane,M.D., Nagel,A.C. and Dombkowski,A.A.

Compositions and systems for identifying and comgositions and systems for organisms
genes (mRNAs) in eukaryotic organisms
AL Patent: Uccasion/Qualifiers
Location/Qualifiers
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/organism="synthetic construct"
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/db_xref="taxon:32630"
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Sequence 4 from patent US 6955876.
AR758057.
AR758057.1 GI:83323634
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Sequence 3 from patent US 6955876.
AR758056
AR758056.1 GI:83323633
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nes 21; Conservative
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RESULT 247 AR758057

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PAT 17-JUL-2003

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Mir, K.
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cother sequences; artificial sequences.

1 (bases 1 to 25)

2 (bases 1 to 25)

8 plletier, J. and Das,M.
Oligonucleotide primer capable of making the non-specific double strand formation unstable
be parent: JP 2002532063-A 9 02-OCT-2002;
MGGILL UNIVERSITY
NP JECT-2002
PN JP 2002532063-A/9
PN JP 2002532063-A/9
PN O2-OCT-2002
PF 06-OCT-1999 JP 2000574722
PR 07-OCT-1999 JP 2000574722
PR 07-OCT-1999 JP 2000574722
PR 06-OCT-1999 JP 20005747
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ALTÍFICIAL Sequence

JP 2002532063-A/9

02-0CT-1999 JP 2000574722

07-0CT-1999 CA 2246623

JERRY PELLETIER, MANJULA DAS

C12N15/09, C12Q1/68, C12N15/00

Description of Artificial Sequence: synthetic oligonucleotide

Key
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Oligonucleotide primer capable of making the non-specific double strand formation unstable.
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Location/Qualifiers
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/mol_type="unassigned DNA"
db_xref="taxon:32630"
/note="Immunostimulatory oligonucleotide"
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    .25
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|mol_type="genomic DNA"
|db_xref="taxon:32630"

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Sequence 20 from Patent W003101375.
AX961625
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BD244864.1 GI:33054634
JP 2002532063-A/9.
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synthetic construct
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      PAT 04-APR-2003
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                                                                                                                                                                                                                                                                                                                    /organism="synthetic construct"
/mol_type="unassigned DNA"
/db xref="taxon:22630"
/nbc="sequence to demonstrate the principle of how to detect somatic repeat instability
##N# seands for any number of nucleotides seleted from A, C, T or G#"
                                                                                                                                                                                   Plasterk, R.H.
Means and methods for identifying genes and proteins involved in the prevention and/or repair of a replication error the prevention and/or 230 28-NOV-2002;
Patent: WO 02095071-A 30 28-NOV-2002;
Koninklijke Nederlandse Akademie van Wetenschappen (NL)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Molecular arrays and single molecule detection
Patent: WO 2004027093-A 3 01-APR-2004;
THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD
(GB)
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Anchor oligonucleotide (pg 152)"
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Similarity 87.5%; Pred. No. 3.5e+02;
21; Conservative 0; Mismatches 3;
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other sequences; artificial sequences.
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Sequence 3 from Patent WO2004027093.
CQ796440.1 GI:46408212
25 bp 1
Sequence 30 from Patent WO02095071.
AX708814
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Sequence 3 from Patent WO02074988.
AXS83623
AX583623.1 GI:27655433
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Lag 21; Conservative
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synthetic construct
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AX583623/c
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1 (bases 1 to 20)
Watson, J.D. and Tan, P.L.J.
Methods and compounds for the treatment of immunologically-mediated
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Unclassified.
1 (bases I to 20)
Tan, P., Skinner, M. and Prestidge, R.
Compounds and methods for treatment and diagnosis of mycobacterial infections
Patent: US 5985287-A 83 16-NOV-1999;
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 83 from patent US 5985287.
AR085926
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/organism="unknown"
/mol_type="unassigned DNA"
           /mol_type="unassigned DNA"
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/organism="unknown"
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                                                                                                                                                                                                                                                                                                                                                  Unclassified.
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AR087520/c
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                                                           Mir,K.
Arrays and methods of use
Patent: WO 02074988-A 3 26-SEP-2002;
THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD
(GB)
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Primers for identifying typing or classifying nucleic acids
Patent: WO 0065088-A 685 02-NOV-2000;
Amerkham Pharmacia Biotech AB (SE)
Location/Qualifiers
                                                                                                                                                          Location/Qualifiers
1. .22
7. coganism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="synthetic oligonucleotide primer (Oligo-dT"
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/roganism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="caxon:32630"
/note="DPA1 Heterozygote Primer Sequence"
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Unclassified.
E 1 (bases 1 to 20)
S Cros, P., Kurfurst, R., Battail, N. and Piga, N.
Process and device for assaying a hapten
AL Patent: US 5849480-A 5 15-DEC-1998;
Location/Qualifiers
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Sequence 5 from patent US 5849480.
AR064875.
AR064875.1 GI:5995091
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AX043119/c
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                                                                                                                                                                                                                                                                                Visser,E.
Compounds and methods for treatment and diagnosis of mycobacterial infections
Patent: US 6160093-A 83 12-DEC-2000;
Location/Qualifiers
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Bruice, T.C. and Dev, A.P.
Deoxynucleic alkyl thiourea compounds and uses thereof
Patent: US 6169176-A 1 02-JAN-2001;
Location/Qualifiers
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 33 from patent US 6207417.
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 83 from patent US 6160093.
AR121692.1 GI:14105268
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Sequence 1 from patent US 6169176.
AR123335.1 GI:14108301
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AR139961.1 GI:14482457
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Unclassified.
1 (bases 1 to 20)
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AR121692
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AR139961/c
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Unclassified.
Unclassified.
Unclassified.
Tan, P., Hiyama, J., Visser, E., Skinner, M., Scott, L. and Prestidge, R.
Mycobacterium vaccae antigens
Mycobacterium vaccae antigens
Patent: US 6001361-A 83 14-DEC-1999;
Location/Qualifiers
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                                                                  Unknown.
Unclassified.
I (bases 1 to 20)
Pitsch, S., Weiss, P. A. and Jenny, L.
Ribonucleoside-derivative and method for preparing the same Rabonucleoside derivative and method for corparing the same Location/Qualifiers

Location/Qualifiers
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Unclassified.
1 (bases 1 to 20)
Uchida,K., Uchida,T., Tanaka,Y., Matsuda,Y. and Kondo,S.
Antisense nucleic acid compound targeted to VEGF
Patent: US 6150092-A 96 21-NOV-2000;
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/organism="unknown"
/wol_type="unassigned DNA"
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 83 from patent US 6001361.
AR093312.1 GI:10020062
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Sequence 96 from patent US 6150092.
AR118970.1 GI:14100880
   Sequence 1 from patent US 5986084.
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AR087520.1 GI:10014283
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AR118970/c
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AR093312
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AUTHORS TITLE

REFERENCE

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AR140280/c

RESULT 265

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1 (bases 1 to 20)
Huang,Z. and Szostak,J.W.
Simple and efficient method to label and modify 3'-termini of RNA
using DNA polymerase and a synthetic template with defined overhang
nucleotides
                                                                                                                                                                                                                             Unclassified.
Unclassified.
1 (bases 1 to 20)
Manoharan,M. and Maier,M.A.
Compounds, processes and intermediates for synthesis of mixed backbone oligomeric compounds
Patent: US 6207819-A 1 27-MAR-2001;
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 20; Conservative 0; Mismatches 0;
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 14 from patent US 6238865.
AR154115. GI:15122168
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Sequence 1 from patent US 6207819.
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/organism="unknown"
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Zsebo, K.M., Bosselman, R.A., Suggs, S.V. and Martin, F.H.
Zsebo, K.C., Bosselman, R.A., Suggs, S.V. and Martin, F.H.
Zsebo, K.C., Posselman, R.A., Suggs, S.V. and Martin, F.H.
Fachod, (SCP) polypeptide
Factor (SCP) polypeptide
Patent: US 6207454-A 33 27-MAR-2001;
Location/Qualifiers
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Unknown.
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1 (bases 1 to 20)
Zsebo,K.M., Bosselman,R.A., Suggs,S.V. and Martin,F.H.
DNA encoding stem cell factor
Patent: US 6207417-A 33 27-WAR-2001;
Location/Qualifiers
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Zsebo,K.M., Bosselman,R.A., Suggs,S.V. and Martin,F.H.
Stem cell factor and compositions
Patent: US 6207802-A 33 27-MAR-2001;
                                                                                                                                                                                                 Query Match 0.7%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 3.2e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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Sequence 33 from patent US 6207454.
AR140280
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AR140558
AR140558.1 GI:14483054
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/mol_type="unassigned DNA"
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/organism="unknown"
/mol_type="unassigned DNA"
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Best Local Similarity 100.0
Matches 20; Conservative
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Matches 20; Conservative
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RESULT 266 AR140558/c

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BD080522
BD080522.1 GI:22626125
UP 2001515087-A/1.
                                                                                                                                                                                                                                                                    Compounds and methods for treatment and diagnosis of Mycobacterial infections.
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0
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1 (bases 1 to 20)
Tan, P., Hiyama, J., Visser, E.S., Skinner, M.A., Scott, L.M. and Prestidge, R.L.

Compounds and methods for treatment and diagnosis of Mycobacterial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PAUL TAN, JUN HIYAMA, ELIZABETH S VISSER, MARGOT A SKINNER, PI
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                          High throughput functional screening of cDNAs Patent: US 6274321-A 13 14-AUG-2001; Location/Qualifiers
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/organism='Unidentified'
Location/Qualifiers
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ROSS L PRESTIDGE
A61K39/04,A61K35/74,C07K14/35,C12N15/63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                infections
Patent: JP 2001503969-A 26 27-MAR-2001;
GENESIA RESEARCH & DEVELOPMENT CO LTD
OS Unidentified
PN JP 2001503969-A/26
PD 27-MAR-2001
PF 28-AUG-1997 JP 1998511516
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                                                                        1. .20
/organism="unknown"
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BD008523.1 GI:18636896
JP 2001503969-A/26.
unidentified
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Key
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1 (bases 1 to 20)
Blumberg, B.
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BD080522/c
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other sequences; artificial sequences.

other sequences; artificial sequences.

1 (Bases 1 to 20)

RS Pitsch, S., Weiss, P.A. and Jenny, L.

Ribonucleoside-derivative and method for preparing the same parent: JP 2001515087-A 1 18-SEP-2001;

STEFAN PITSCH, PATRICK A WEISS, LUZI JENNY

OS Artificial Sequence
PN JP 2001515087-A/1

PD 18-SEP-2001

PF 17-AUG-1998 JP 2000509723

PR 18-AUG-1998 JP 2000509723

PR 18-AUG-1997 A WEISS, LUZI JENNY

PC CO7H19/06, CO7F7/18, CO7H19/16, CO7H21/02, CO7H23/00 CC

Description of Artificial Sequence: synthetic polynucleotide FH

Key Location/Qualifiers

FT source Location/Qualifiers

FT / Location/Qualifiers

FT / Location/Qualifiers
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I MASARA SEGAMA, HIROSHI TAKARADA, TOSHIYA AONO, SATOKO YOSHIGA PC C1201/68, C12N15/09, C12N15/00
C Description of Artificial Sequence:primer
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Location/Qualifiers
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1 (bases 1 to 20)
Segawa,M., Takarada,H., Aono,T. and Yoshiga,S. Method of detecting single base polymorphism Patent: JP 2002034599-A 9 05-FEB-2002; TOYOBO CO LTD
OS Artificial Sequence
PN JP 2002034599-A/9
PD 05-FEB-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BD107450

Method of detecting single base polymorphism. BD107450

HD107450.1 GI:23202268

JP 2002034599-A/9.

Synthetic construct

synthetic construct
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Pred. No. 3.2e+02;
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/organism="synthetic construct"
/mol type="genomic RNA"
/db_xref="taxon:32630"

    .20
    ^organism="synthetic construct"
    ^mol_type="genomic DNA"
    /db_xref="taxon:32630"

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PAT 13-DEC-2004
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                                                   C12N1/19, C12N1/21, C12N5/10, C12P21/08, C12Q1/02, G01N33/569, PC
                                                                                 (C12M15/09,C12R1:32),C12N15/00,C12N5/00,(C12N15/00,C12R1:32)
Made in a lab
             AG1P17/06,A61P31/00,A61P31/06,A61P37/04,C07K14/35,C07K16/12,
C07K19/00,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kauppinen, S. and Jacobsen, N. Methods and systems for detection and isolation of a nucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note="Attached to biotin in Oligo DNA dT20
Attached to AQ2-HEG3 in Oligo AQ-HEG3-t20
Attached to AQ2-10-mer deoxy-thymine 5-mer non-base in
Oligo AQ-t10-NB5-t"
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    /organism='Artificial Sequence'

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Pred. No. 3.2e+02;
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/organism="synthetic construct"
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/db_xref="taxon:32630"
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Exigon A/S (DK)
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synthetic construct
other sequences, artificial sequences.
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other sequences; artificial sequences.
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Best Local Similarity 100.0%; Pred. No. 3.2

Matches 20; Conservative 0; Mismatches
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/db_xref="taxon:32630"
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CQ990441
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                                                                                                                                   Compositions derived from mycobacterium vaccae and methods for their use.
                                                                                                                                                                                                                                                                                                                                                      MASAAKI TERADA
C12N15/09,C12N15/00
Description of Artificial Sequence: a sequence of a primer for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
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                                    PAT 17-JUN-2003
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GENESIS REGRACH AND DEVELOPMENT CORP LTD

GENESIS REGRACH AND DEVELOPMENT CORP LTD

SALFIficial Sequence

N JP 2002514385-A/26

PD 21-MAY-2002

PF 23-DEC-1997 US 08/997362,23-DEC-1997 US 08/997080 PR

23-DEC-1997 US 08/996624,11-JUN-1998 US 09/095855 PR

17-SEP-1998 US 09/156181,04-DEC-1998 US 09/205426 PI PAUL

TAN,JAMES WATSON,ELIZABETH S VISSER,MARGOT A SKINNER,ROSS

PI L PRESTIDGE

PC C12N1S/09,A61K31/711,A61K39/04,A61K48/00,A61P11/00,A61P11/06,
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1 (Dases I to 20)
17an, P., Wastson, J., Viser, E.S., Skinner, M.A. and Prestid, R.L.
Compositions derived from mycobacterium vaccae and methods for
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Location/Qualifiers
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                                    linear
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/db_xref="taxon:32630"
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                                    DNA
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ATP dependent DNA helicase gene
                                    20 bp
                               BD183616 20
Method for amplifying DNA.
BD183616 BD183616.1 GI:31875816
JP 2002345466-A/68.
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JP 2002514385-A/26.
synthetic construct
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Label-free gene expression profiling with universal nanoparticle
probes in microarray assay format
Patent: WO 200501143-A 24 06-JAN-2005;
Nanosphere, Inc. (US)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Bao, Y.P. and Mueller, U.R. Label-free gene expression profiling with universal nanoparticle probes in microarray assay format Patent: WO 2005001143-A 23 06-JAN-2005; Nanosphere, Inc. (US)
Bao, Y.P. and Mueller, U.R.
Label-free gene expression profiling with universal nanoparticle probes in microarray assay format
Patent: WO 20001143-A 22 06-JAN-2005;
Nanosphere, Inc. (US)
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Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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/db_xref="teaxon:32630"
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                                                                                                               /organism="synthetic construct"
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Sequence 23 from Patent WO2005001143.
CQ990442
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other sequences; artificial sequences.
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Method for detecting analytes based on evanescent illumination and scatter-based detection of nanoparticle probe complexes
Patent: WO 2005008222-A 17 27-JAN-2005;
Nanosphere, Inc. (US)
Location/Qualifiers
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Cosmetic or pharmaceutical preparations containing nucleic acid sequences forming superstructure acquences forming superstructure patent: WO 2005063300-A 1 14-JUL-2005, Phenion GmbH & Co KG (DE)
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 20; Conservative 0; Mismatches 0;
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/db xref="taxon:32630"
/note="spacer sequence"
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Sequence 17 from Patent WO2005008222.
CS048832
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Sequence 1 from Patent WO2005063300.
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PAT 09-JAN-2006

Matches

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VERSION

REFERENCE AUTHORS

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FEATURES

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unidentified unclassified sequences.

1 (Dases 1 to 20)

Mizuguchi, M., Kurosaki, N., Makino, K., Koyanagi, Y. and Yamamoto, N. Anti-HTU-1 ANTI-SENSE OLIGONUCLEOTIDE
PARTI-HTU-1 SENSE OLIGONUCLEOTIDE
PARTIC: JP 1997052898-A 10 25-FEB-1997;
SOYAKU GIJUTSU KENKYUSHO: KK
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OC Artificial sequences.
PN UP 1997052898-A/10
PD 25-FEB-1997
PF 09-AUG-1995 JP 1995224606
PI MIZUGUCHI MASATSUGU, KUROSAKI NAOKO, MAKINO KEISUKE, PI
KOYANAZI YOSHIO,
PI YAMAWOTO NAOKI
PC COTALLO4/A6IK31/70;
CC strandedness: Single;
CC hypothetical: No;
CC anti-sense: Yes;
FR Key
FR SOURCE
FT SOUR
                                                                                                                                                                                                                                                                                Aptamer-nanoparticle conjugates and method of use for target analyte detection
Patent: WO 2005113817-A 10 01-DEC-2005;
Nanosphere, Inc. [US)
Location/Qualifiers
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/organism="synthetic construct"
/mol Lype="unassigned DNA"
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Sequence 10 from Patent WO2005113817.
CS247246
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Anti-HTLV-1 antisense oligonucleotide.
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JP 1997052898-A/10.
unidentified
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Cosmetic or pharmaceutical preparations containing nucleic acid sequences forming a superstructure Patent: WO 2005063300-A 2 14-JUL-2005; Phenion GmbH & Co KG (DE)
           Gaps
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/organism="synthetic construct"
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Patent: WO 2005113817-A 7 01-DEC-2005;
Nanosphere, Inc. (US)
1. .20
/organism="synthetic construct"
//mol_type="unassigned DNA"
//db_xref="reaxon:32630"
/note="Synthetic poly-A oligonucleotide"
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other sequences; artificial sequences.
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Sequence 2 from Patent WO2005063300.
     0; Mismatches
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CS130447.1 GI:71792415
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     20;
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RESULT 282 CS247243

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REFERENCE AUTHORS

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PAT 27-APR-1998

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PAT 20-DEC-2002

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Unknown.
Unclassified.
1 (bases 1 to 20)
Mirkin, C. A., Letsinger, R. L., Mucic, R. C., Storhoff, J. J.,
Elghanian, R. and Taton, T. A.
Nanoparticles having oligonucleotides attached thereto and uses
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Manoharan,M. and Maier,M.A.
Compounds, processes and intermediates for synthesis of mixed backbone oligomeric compounds
Patent: US 6462184-A 1 08-OCT-2002;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
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Pred. No. 3.2e+02;
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Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 20; Conservative 0; Mismatches 0;
Unclassified.
Unclassified.
1 (bases 1 to 20)
Kurz,M., Lohse,P. and Wagner,R.
Peptide acceptor ligation methods
Parent: US 6429300-A 26 06-AUG-2002;
Phylos, Inc.; Lexington, MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Patent: US 6506564-A 55 14-JAN-2003;
Nanosphere, Inc.; Northbrook, IL
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 3.2
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Sequence 1 from patent US 6462184.
AR236083.
AR236083.1 GI:27279782
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/organism="unknown"
/mol_type="genomic DNA"
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/mol_type="genomic DNA"
                                                                                                                   Location/Qualifiers
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1 (bases 1 to 20)
Tan,P., Visser,E., Prestidge,R. and Watson,J.D.
Tan,P., Visser,E., Prestidge,R. and diagnosis of mycobacterial infections
Patent: US 6406704-A 83 18-JUN-2002;
Genesis Research and Development Corporation Limited;;
                                                                                                                                                                                                                      Unknow...
Unclassified.
1 (bases 1 to 20)
Heller,M.J. and Tu,E.
Active programmable electronic devices for molecular biological analysis and diagnostics
Patent: US 5605662-A 16 25-FEB-1997;
Location/Qualifiers
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Sequence 83 from patent US 6406704.
AR213738 GI:23311025
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Sequence 16 from patent US 5605662.
136180.
136180.1 GI:2086693
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Sequence 26 from patent US 6429300.
AR222466.1 GI:23329997
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/organism="unknown"
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Patent: US 6610491-A 55 26-AUG-2003;
     GI:33741017
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Best Local Similarity 100.0
Matches 20, Conservative
                                         Unknown.
Unclassified.
1 (bases 1 to 20)
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AR365970
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Gilad,S., Einat,P. and Grossman,A.
Method for enrichment of natural antisense messenger RNA
Patent: US 6528262-A 5 04-MAR-2003;
Quark Biotech, Inc.; Cleveland, OH;
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  Length 20;
Query Match 0.7%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 3.2e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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Manoharan,M., Lonnberg,H., Salo,H. and Virta,P.
Aminooxy functionalized oligomers
Ament: US 6576752-A 10 10-UUN-2003;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
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Sequence 10 from patent US 6576752.
AR343047
AR343047.1 GI:33738375
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Sequence 55 from patent US 6582921.
AR344936
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Sequence 5 from patent US 6528262.
AR285029 GI:29721943
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Unclassified.
1 (bases 1 to 20)
Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J.,
Blyhanian,R. and Taton,T.A.
Nanoparticles having oligonucleotides attached thereto and uses therefor
1 (bases 1 to 20)
Mixkin.C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J.,
Elghanian,R. and Taton,T.A.
Nanoparticles having oligonucleotides attached thereto and uses
thereof
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Watson, J. D., Tan, P.L.J. and Prestidge, R.
Methods for the treatment of immunologically-mediated skin
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Genesis Research & Development Corp. Ltd.; Parnell;
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                                                                                                                                                                                                                                   Score 20; DB 1; Length 20;
Pred. No. 3.2e+02;
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100.0%; Pred. No. ...
                                                                                     Patent: US 6582921-A 55 24-JUN-2003;
Nanosphere, Inc.; Northbrook, IL
Location/Qualifiers
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Sequence 55 from patent US 6610491.
AR382312
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Sequence 83 from patent US 6328978.
AR365970
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/organism="unknown"
/mol_type="genomic DNA"
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PAT 20-FEB-2004

FEATURES

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1 (bases 1.0.20)
Mirkin, C.A., Letsinger, R.L., Mucic, R.C., Storhoff, J.J.,
Elghanian, R. and Taton, T.A.
Nanoparticles having oligonucleotides attached thereto and uses
therefor
Patent: US 6677122-A 55 13-JAN-2004;
Nanosphere, Inc.; Northbrook, IL
Location/Qualifiers
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1 (bases 1 to 20)

Mirkin, C.A., Letsinger, R.L., Mucic, R.C., Storhoff, J.J.,

Bighanian, R. and Taton, T.A.

Nanoparticles having oligonucleotides attached thereto and uses
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Nanosphere, Inc.; Northbrook, IL
Location/Qualifiers
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Sequence 55 from patent US 6682895.
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AR454776.1 GI:42688297
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Sequence 55 from patent US 6709825.
AR489044.1 GI:47255475
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AR451990
AR451990.1 GI:42683297
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AR454776
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1 (bases 1 to 20)
Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J.,
Elghanian,R. and Taton,T.A.
Nanoparticles having oligonucleotides attached thereto and uses
therefor
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Mirkhin,C.A., Lessinger,R.L., Mucic,R.C., Storhoff,J.J.,
Elghanian,R. and Taton,T.A.
Nanoparticles having oligonucleotides attached thereto and uses
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0.7%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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Nanosphere, Inc.; Northbrook, IL
Location/Qualifiers
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Sequence 55 from patent US 6645721.
AR429653. GI:40189949
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Location/Qualifiers
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Nanosphere, Inc.; Northbrook, Location/Qualifiers
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DEFINITION ACCESSION VERSION

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AUTHORS
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                                    1 (bases 1 to 20)
Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J.,
Blybanian,R. and Taton,T.A.
Nanoparticles having oligonucleotides attached thereto and uses
therefor
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Mirkin, C.A., Letsinger, R.L., Mucic, R.C., Storhoff, J.J.,
Elghanian, R. and Taton, T.A.
Nanoparticles having oligonucleotides attached thereto and uses
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                                                                                                             Patent: US 6709925-A 55 23-MAR-2004;
Nanosphere, Inc.; Northbrook, IL
Location/Qualifiers
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Nanosphere, Inc.; Northbrook, IL
Location/Qualifiers
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AR494728
AR494728.1 GI:47269581
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Location/Qualifiers
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Nanoparticles having oligonucleotides attached thereto and uses
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Mirkin, C.A., Letsinger, R.L. and Park, S.-J.
Nanoparticles having oligonucleotides attached thereto and uses
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Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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Nanosphere, Inc.; Northbrook, IL
Location/Qualifiers
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Nanosphere, Inc.; Northbrook, IL
Location/Qualifiers
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Sequence 55 from patent US 6730269.
AR532682.1 GI:53922053
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tive 0; Mismatches
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Sequence 55 from patent US 6750016.
AR559396
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AR565165
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1 (bases 1 to 20)
Mirkin, C.A., Letsinger, R.L. and Park, S.-J.
Nanoparticles having oligonucleotides attached thereto and uses
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Mirkhin, C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J.,
Elghanian,R. and Taton,T.A.
Nanoparticles having oligonucleotides attached thereto and uses
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Patent: US 6750016-A 70 15-JUN-2004;
Nanosphere, Inc.; Northbrook, IL
Location/Qualifiers
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Nanosphere, Inc.; Northbrook, IL
Location/Qualifiers
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Sequence 55 from patent US 6759199.
AR561993.
AR561993.1 GI:53975645
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Sequence 70 from patent US 6750016.
AR559411
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Mirkin, C.A., Letsinger, R.L., Mucic, R.C., Storhoff, J.J.,
Blyanian, R., Taton, T.A., Garimella, V. and Li, Z.
Nanoparticles having oligonucleotides attached thereto and uses therefor
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Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J.,
Elghanian,R., and Taton,T.A.
Nanoparticles having oligonucleotides attached thereto and uses
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Zsebo, K.M., Bosselman, R.A., Suggs, S.V. and Martin, F.H. Method of preparing human stem cell factor polypeptide Patent: US 675915-A 33 06-JUL-2004; Amgen Inc.; Thousand Oaks, CA Location/Qualifiers
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Nanosphere, Inc.; Northbrook, IL
Location/Qualifiers
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Sequence 55 from patent US 6767702.
AR565165.1 GI:53991003
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Location/Qualifiers
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AR606125.1 GI:56657968
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AR611138/c
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                                                                                                                                                                                                       Unclassified.

1 (bases 1 to 20)

Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J.,

Elghanian,R. and Taton,T.A.

Nanoparticles having oligonucleotides attached thereto and uses therefor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Unclassified.
1 (bases 1 to 20)
Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J.,
Elghanian,R. and Taton,T.A.
Nanoparticles having oligonucleotides attached thereto and uses
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 Mismatches
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Nanosphere, Inc.; Northbrook, IL
Location/Qualifiers
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Sequence 55 from patent US 6777186.
AR576777
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Location/Qualifiers
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/organism="unknown"
/mol_type="genomic DNA"
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AR606125
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AR576777
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AR594507
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Unclassified.

1 (bases 1 to 20)

Manoharan, M., Lonnberg, H., Salo, H. and Virta, P.

Aminooxy functionalized oligomers, oligomer arrays and methods of
Unclassified.

1 (bases 1 to 20)

1 (bases 1 to 20)

1 Letsinger,R.L., Mucic,R.C., Storhoff,J.J.,

Bighanian,R. and Taton,T.A.

Nanoparticles having oligonucleotides attached thereto and uses
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Unclassified.
1 (bases 1 to 20)
Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J.,
Elghanian,R. and Taton,T.A.
Nanoparticles having oligonucleotides attached thereto and uses
therefor
Patent: US 6828432-A 55 07-DEC-2004;
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Patent: US 6825331-A 10 30-NOV-2004;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
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Patent: US 6818753-A 55 16-NOV-2004;
Nanosphere, Inc.; Northbrook, IL
Location/Qualifiers
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AR611138.1 GI:56666767
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Sequence 55 from patent US 6828432.
AR615130 GI:56671559
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/organism="unknown"
/mol_type="genomic DNA"
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/organism="unknown"
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1 (Dases 1 to 20)

2 (Bases 1 to 20)

Sebo.K.W., Bosselman,R.A., Suggs,S.V. and Martin,F.H.

Method of stimulating growth of melanocyte cells by administering stem cell factor

Patent: US (6823113-A 31 08-PEB-2005;

Amgen Inc.; Thousand Oaks, CA

Location/Qualifiers
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Zsebo, K.M., Bosselman, R.A., Suggs, S.V. and Martin, F.H. Stem cell factor compositions
Patent: US 641147-A 33 11-JAN-2005;
Amgen, Inc., Thousand Oaks, CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Unknown.
Unclassified.
1 (bases 1 to 20)
Weterings, K., Apuya, N.R. and Goldberg, R.B.
Polynucleotides useful for modulating transcription
Patent: US 6855866-A 36 15-FEB-2005;
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0.7%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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Sequence 33 from patent US 6841147.
AR630295
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Sequence 33 from patent US 6852313.
AR634606
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Sequence 36 from patent US 6855866.
AR637822. GI:62771644
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/mol_type="genomic DNA"
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AR637822/c
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AR630295/c
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AR634606/c
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Unknown.

E 1 (bases 1 to 20)

RS Li,W.-L.R. and Zhou,J.S.

Fluorescent oligonucleotides and uses thereof

JAN-2005;

Monsanto Technology LLC; St. Louis, MO

Location/Qualifiers

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                              1 (bases 1 to 20)
Li,W.-L.R. and Zhou,J.S.
Fluorescent oligonucleotides and uses thereof
Patent: US 6838244-A 3 04-JAN-2005;
Monsanto Technology LLC; St. Louis, MO
Location/Qualifiers
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Sequence 3 from patent US 6838244.
AR629270 GI:59759545
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Sequence 4 from patent US 6838244.
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/mol_type="genomic DNA"
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                                            /organism="unknown"
/mol_type="genomic DNA"
Nanosphere, Inc.; Northbrook,
Location/Qualifiers
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Unclassified.
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AR629270/c
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AR629271/c
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PAT 13-JUN-2005

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Bavies, M., Bruce, I. and Wolter, A.

Nucleic acid probes and methods to detect and/or quantify nucleic acid analytes
Patent: US 6902900-A 1 07-UUN-2005;
Prolico, LLC; Boulder, CO-Location/Qualifiers
                                                                                                                                                                                                                                              1 (bases 1 to 20)
Mirkhin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J.,
Elghanian,R. and Taton,T.A.
Nanoparticles having oligonucleotides attached thereto and uses
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Nanosphere, Inc.; Northbrook, IL
Location/Qualifiers
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Sequence 55 from patent US 6902895.
AR678963
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AR679019
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/organism="unknown"
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AR680240
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AR678963
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Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J.,
Elghanian,R. and Taton,T.A.
Nanoparticles having oligonucleotides attached thereto and uses therefor
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1 (bases 1 to 20)
Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J.,
Blghanian,R. and Taton,T.A.
Nanoparticles having oligonucleotides attached thereto and uses
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The Regents of the University of California, Oakland, Location/Qualifiers
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Nanosphere, Inc.; Northbrook, IL
Location/Qualifiers
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Sequence 55 from patent US 6878814.
AR650911
AR650911.1 GI:62794891
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Nanosphere, Inc.; Northbrook, IL
Location/Qualifiers
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Sequence 55 from patent US 6861221.
AR641516 GI:62776819
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/mol_type="mRNA"
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Zsebo,K.M., Bosselman,R.A., Suggs,S.V. and Martin,F.H.
Method for increasing hematopoietic progenitor cells by stem cell
                         1 (bases 1 to 20)
Mirkin, C.A., Letsinger, R.L., Mucic, R.C., Storhoff, J.J.,
Elghanian, R. and Taton, T.A.
Nanoparticles having oligonucleotides attached thereto and uses
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Mirkin, C.A., Letsinger, R.L., Mucic, R.C., Storhoff, J.J.,
Elghanian, R. and Taton, T.A.
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Amgen Inc.; Thousand Oaks, CA
Location/Qualifiers
                                                                                 therefor
Patent: US 6903207-A 55 07-JUN-2005;
Nanosphere, Inc.; Northbrook, IL
Location/Qualifiers
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Nanosphere, Inc.; Northbrook, IL
Location/Qualifiers
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Sequence 33 from patent US 6967029.
AR772057.1 GI:83347866
                                                                                                                                                        /organism="unknown"
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Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J.,
Elghanian,R. and Taton,T.A.
Nanoparticles having oligonucleotides attached thereto and uses
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Method for isolating anionic organic substances from aqueous systems using cationic polymer nanoparticles
Patent: WO 9910527-A 5 04-MAR-1999;
SUEDDEUTSCHE KALKSTICKSTOFF (DE); BAYER ERNST (DE)
Location/Qualifiers
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/noTe="phosphorthioate oligonucleotide"
0.7%; Score 20; DB 1; Le Larity 100.0%; Pred. No. 3.2e+02; Conservative 0; Mismatches 0;
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Nanosphere, Inc.; Northbrook, IL
Location/Qualifiers
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Sequence 5 from Patent WO9910527.
AX004876
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Sequence 20 from Patent WO0067023.
AX045790
AX045790.1 GI:11344157
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AX104364/c
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Screening for immunostimulatory dna functional modifyers
Patent: WO 0067023-A 9 09-NOV-2000;
CPG Immunopharmaceuticals GmbH (DB) ; UNIVERSITY OF IOWA RESEARCH
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Sequence 17 from Patent WO0067023.
AX045787.1 GI:11344154
                                        AX045779 20 bp
Sequence 9 from Patent WO0067023.
AX045779
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AX045787/c
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Immunostimulatory nucleic acids
Patent: WO 0122972-A 226 05-APR-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US) ; Coley Pharmaceutical
Noll, B.O., Schetter, C. and Krieg, A.M.
Screening for immunostimulatory dna functional modifyers
Patent: WO 1067023-A 20 09-NOV-2000;
CPG Immunopharmaceuticals GmbH (DE); UNIVERSITY OF IOWA RESEARCH
FOUNDATION (US)
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Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 20; Conservative 0; Mismatches 0;
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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Krieg, A.M., Schetter, C. and Vollmer, J.C.

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PAT 28-AUG-2001

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Mirkin, C.A., Letsinger, R.L., Mucic, R.C., Storhoff, J.J., Elghanian, R., Taton, T.A. and Li, Z. Nanoparticles having oligonucleotides attached thereto and uses therefor
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|note="random synthetic sequence"
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/noTe="random synthetic sequence"
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Nanosphere, Inc. (US)
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Nanosphere, Inc. (US)
Location/Qualifiers
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Sequence 70 from Patent WO0151665.
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Sequence 55 from Patent WO0151665.
AX196224
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Immunostimulatory nucleic acids
Stetne: WO 0122972-A 556 05-APR-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US) ; Coley Pharmaceutical
GmbH (DE)
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Immunostimulatory nucleic acids
Patent: WO 0122972-A 560 05-APR-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US); Coley Pharmaceutical
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Method for enrichment of natural antisense messenger rna
Patent: WO 0125488-A 5 12-APR-2001;
Quark Blotech, Inc. (US)
Location/Qualifiers
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Sequence 560 from Patent W00122972.
AX104368.1 GI:13920565
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FEATURES

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Mirkin, C.A., Letsinger, R.L., Mucic, R.C., Storhoff, J.J., Elghanian, R., Taton, T.A., Park, S.J. and Li, Z. Nanoparticles having oligonucleotides attached thereto and uses
                                                                                  Weiner, G. and Hartmann, G. Methods for enhancing antibody-induced cell lysis and treating
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100.0%; Pred. No. 3.2e+02;
Live 0; Mismatches 0; Indels
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Patent: WO 0197843-A 839 27-DEC-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US)
Location/Qualifiers
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/db_xref="taxon:32630"
/note="random synthetic sequence"
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Synthetic oligonucleotide
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Nanosphere, Inc. (US)
Location/Qualifiers
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                                                                                                                                                                                                      Weiner, G. and Hartmann, G. Methods for enhancing and treating
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Methods for enhancing antibody-induced cell lysis and treating
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/note="Synthetic oligonucleotide
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UNIVERSITY OF IOWA RESEARCH FOUNDATION (US)
Location/Qualifiers
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UNIVERSITY OF IOWA RESEARCH FOUNDATION (US)
Location/Qualifiers
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/note="Synthetic oligonucleotide
phosphodiester backbone"
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AX355810.1 GI:18620478
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AX355811
AX355811.1 GI:18620479
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Sequence 2 from Patent WO0197843.
AX354974
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mirkin, C.A., Letsinger, R.L., Mucic, R.C., Storhoff, J.J., Blghanian, R., Taton, T.A., Garimella, V., Li, Z. and Park, S.J. Nanoparticles having oligonucleotides attached thereto and uses therefor
Nanoparticles having oligonucleotides attached thereto and uses
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/note="random synthetic sequence"
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Nanosphere, Inc. (US)
Location/Qualifiers
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Patent: WO 0173123-A 70 04-OCT-2001;
Nanosphere, Inc. (US)
Location/Qualifiers
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Sequence 55 from Patent WO0218643.
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Bratzler,R.L.
Inhibition of angiogenesis by nucleic acids
Parent: WO 02053141-A 226 11-JUL-2002;
Poley Pharmaceutical Group, Inc. (US)
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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                                                                              n 0.7%; Score 20; DB 1; Le
Similarity 100.0%; Pred. No. 3.2e+02;
20; Conservative 0; Mismatches 0;
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Synthetic Sequence"

    .20
    forganism="synthetic construct"
|mol type="unassigned DNA"
|db_xref="taxon:32630"

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Sequence 556 from Patent WO02053141.
AX547417
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Sequence 226 from Patent WO02053141.
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/note="random synthetic sequence"
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Seguence 560 from Patent WO02053141.
AX547421
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Nanosphere, Inc. (US)
Location/Qualifiers
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Sequence 70 from Patent WO0246472.
AX556139
AX556139.1 GI:25899521
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AX547421
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Nucleic acid separation using immobilized metal affinity
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Nucleic acid separation using immobilized metal affinity
chromatographs
Patent: WO 0246398-A 6 13-JUN-2002;
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Pred. No. 3.2e+02;
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Nanosphere, Inc. (US)
Location/Qualifiers
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Patent: WO 0246398-A 5 13-JUN-2002;
The University of Houston System (US)
Location/Qualifiers
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Sequence 6 from Patent WO0246398.
AX664308
AX664308.1 GI:29164238
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Methods, kits and compositions pertaining to the suppression of
detectable probe binding to randomly distributed repeat sequences
in genomic nucleic acid
Patent: WO 03027328-A 14 03-APR-2003;
Boston Probes, Inc. (US); DakoCytomation Denmark A/S (DK)
Location/Qualifiers
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/organism="synthetic construct"
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/noTe="Synthetic Oligonucleotide Sequence"
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The University of Houston System (US)
Location/Qualifiers
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Sequence 26 from Patent W003027328.
AX741052
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Seguence 14 from Patent WO03027328.
AX741040
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Designation gelf address, compartment device, mechanism, method and obsignating self address, compartment device, mechanism, method and operation for molecular biological analysis and diagnosis patent: JP 2001525193-A 2 11-DEC-2001;

NANOGEN INC
OS Artificial Sequence
PN JP 2001525193-A/2
PP 01-DEC-2001
PP 01-DEC-2001
PP 01-DEC-2001
PP 01-DEC-1998 JP 2000524303
PR 05-DEC-1999 JV 2009596055
PI RONALD G SOSNOWSKI, WILLIAM F BUTLER, EUGENE TU, MICHAEL I PI NERBIBERG,
PI MICHAEL J HELLER, CARL F EDMAN
PC C1201/68, C12N15/09, C12N15/00
CC Description of Artificial Sequence: Synthesized with u at 3'
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/db xref="taxon:32630"
/note="Description of Combined DNA/RNA Molecule:Synthetic
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Heller,M.J., Tu,E., Evans,G.A. and Sosnowski,R.G.
Methods for transport in molecular biological analysis and
diagnostics
Patent: uS 6238624-A 2 29-MAY-2001;
Location/Qualifiers
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0.7%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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Sequence 2 from patent US 6238624.
AR153849
AR153849.1 GI:15121902
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Synthetic Probe Sequence"
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/organism="unknown"
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LOCUS
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AR720126
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terminus to
provide ribonucleic acid base for reactivity; Poly A sequence
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1 (bases 1 to 21)

1 (bases 1 to 21)

Heller, M.J. and Tu.E.

Active programmable electronic devices for molecular biological analysis and diagnostics

Patent: US 5605662-A 2 25-FEB-1997;

Location/Qualifiers
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Weterings.K., Apuya,N.R. and Goldberg,R.B.
Polynucleotides useful for modulating transcription
Patent: US 685866-A 37 15-FEB-2005;
The Regents of the University of California; Oakland,
Location/Qualifiers
                                                                                /organism='Artificial Sequence' Location/Qualifiers
                                                                                                                                                                                  Length 21;
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    21
    organism="synthetic construct"

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Sequence 37 from patent US 6855866.
AR637823 AR637823.1 GI:62771645
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Sequence 2 from patent US 5605662.
136166
                                                                                                                                      /mol_type="genomic DNA"
/db_xref="taxon:32630"
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/organism="unknown"
/mol_type="genomic DNA"
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                                         secondary structure
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Unclassified.
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TITLE
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Methods and compositions for amplification of RNA sequences using
RNA-DNA composite primers
Patent: US 6946251-A 23 20-SEP-2005;
NuGEN Technologies, Inc.; San Carlos, CA
Location/Qualifiers
Gaps
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Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 5 04-5EP-2003;
Degussa Bioactives GmbH (DE)
Location/Qualifiers

    .21
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    /mol_type="unassigned DNA"
    /db_xref="taxon:32650"
    /note="Beschreibung der kuenstlichen"

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/mod_base=OTHER
                                                                                                                                                                                     DNA
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Sequence 23 from patent US 6946251.
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AX825107
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/mol_type="genomic DNA"
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AR720126.1 GI:77371173
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Boekenkamp, D., Dieck, T.H. and Hoppe, H.U. Method for sorting single-stranded nucleic acids Parent: WO 03072818-A 49 04-SEP-2003; Degussa Bioactives GmbH (DE)
                                                                                                   Boekenkamp, D., Dieck, T.H. and Hoppe, H.U.
Method for sorting single-stranded nucleic acids
Patent: WO 03072918-A 7 04-SEP-2003;
Degussa Bicactives GmbH (DE)
Location/Qualifiers
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/mol="unassigned DNA"
/db xref="taxon:32650"
/note="Beschreibung der kuenstlichen
Sequenz:Capture-Oligonukleotid"
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Sequenz:Capture-Oligonukleotid"
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                                                                   other sequences; artificial sequences
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Sequence 49 from Patent WO03072818.
AX825151
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 AX825109.1 GI:39750838
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AUTHORS
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                                                                                      REFERENCE
AUTHORS
                                                                                                                           TITLE
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Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 6 04-SEP-2003;
Degussa Bloactives GmbH (DE)
Location/Qualifiers
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/mol type="unassigned DNA"
/db_xref="taxon:32630"
hore="Beschreibung der kuenstlichen
Sequenz:Capture-Oligonukleotid"
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                  'note="LNA-T (Locked Nucleic Acid)"
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Sequence 7 from Patent WO03072818.
AX825109
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Sequence 6 from Patent W003072818.
AX825108
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Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 52 04-SEP-2003;
Degussa Bioactives GmbH (DB)
Location/Qualifiers
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Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 6 2 04-SEP-2003;
Degussa Bioactives GmbH (DE)
Location/Qualifiers
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Sequence 52 from Patent W003072818.
AX825154
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Sequence 62 from Patent W003072818.
AX825164.1 GI:39750893
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2708 TAAAAAAAAAAAAAAAAA 2727
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20 TAAAAAAAAAAAAAAAA 1
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Sequenz:Capture-Oligonukleotid"
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Sequence 51 from Patent WO03072818.
AX825153. GI:39750882
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Kinzler, K.W.
A method for generating hypermutable organisms
Patent: WO 0188192-A 4 22-NOV-2001;
The Johns Hopkins University School of Medicine (US); Morphotek
Inc. (US); Nicolaides, Nicholas, C. (US); Sass, Philip, M. (US)
Grasso, Luigi (US); Vogelstein, Bert (US)
Location/Qualifiers
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Method for generating hypermutable organisms
Patent: US 6825038-A 4 30.NOV-2004;
The Johns Hopkins University and Morphotek, Inc.; Baltimore, MD
Location/Qualifiers
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1 (bases 1 to 25)
Nicolaidee,N.C., Sass,P.M., Grasso,L., Vogelstein,B. and
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100.0%; Pred. No. 3.7e+02;
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/note="LNA-T (Locked Nucleic Acid)"
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Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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Sequence 4 from patent US 6825038.
AR609811. GI:56665241
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Sequence 4 from Patent W00188192.
AX338548
AX338548.1 GI:18128948

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       1...21
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/mol_tefp="unassigned DNA"
/db_xref="taxon.32630"
/note="Beschreibung der kuenstlichen
Sequenz:Capture-Oligonukleotid"
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/note="Beschreibung der kuenstlichen
Sequenz:Capture-Oligonukleotid"
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/mod_base=OTHER
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/mod_base=OTHER
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/mod_base=OTHER
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/nod_base=OTHER
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Sequence 63 from Patent WO03072818.
AX825165
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Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 2 04-SEP-2003;
Degussa Bloactives GmbH (DE)
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Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 4 04-SEP-2003;
Degussa Bioactives GmbH (DE)
                                                                                                                                                                                                                                             /organism="synthetic construct"
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/db_xref="taxon:32670"
/note="Beschreibung der kuenstlichen
Sequenz:Capture-Oligonukleotid"
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db xref="taxon:32630"
/noTe="Beschreibung der kuenstlichen
Sequenz:Capture-Oligonukleotid"
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/mod_base=OTHER
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/mod_base=OTHER
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Sequence 2 from Patent WO03072818.
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Sequence 4 from Patent WO03072818.
AX825106
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AX825104.1 GI:39750833
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Immunostimulatory nucleic acids for inducing il-10 responses
Patent: WO 2005111057-A 51 24-NOV-2005;
Coley Pharmaceutical GmbH (DE); Coley Pharmaceutical Group, Inc. (US)
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Garner, H.R., Wren, J.D., Minna, J.D. and Fondon, J.W. III.
Polymorphic repeats in human genes
Patent: US 6472154-A 119 29-OCT-2002;
Board of Regents, The University of Texas System; Austin,
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/note="where the linkages between bases are
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91.3%; Pred. No. 3.6e+02;
vative 0; Mismatches 2;
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Sequence 51 from Patent WO2005111057.
CS223652. GI:83685259
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Sequence 119 from patent US 6472154.
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                                    6 AAAAAAAAAAAAAAAAAA 25
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CS223652/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Boekenkamp,D., Dieck,T.H. and Hoppe,H.U.
Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 16 04-SEP-2003;
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/mod_base=OTHER
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Sequence 13 from Patent WO03072818.
AX825115
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Method for sorting single-stranded nucleic acids
Patent: WO 03072918-A 1.2 04-SEP-2003;
Degussa Bioactives GmbH (DE)
Location/Qualifiers
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|noTe="Beschreibung der kuenstlichen
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                                /note="LNA-T (Locked Nucleic Acid)"
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95.2%; Pred. No. 3.7e+02;
tive 0; Mismatches 1;
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Best Local Similarity 95.2%
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Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 18 04-SEP-2003;
Degussa Bioactives GmbH (DE)
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/organism="synthetic construct"
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/db_xref="taxon:32630"
/note="Beschreibung der kunstlichen
                                                  /organism="synthetic construct"
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/noTe="Beschreibung der kuenstlichen
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Degussa Bioactives GmbH (DE)
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Method for sorting single-erranded nucleic acids
Patent: WO 03072818-A 32 04-SEP-2003;
Degussa Bioactives GmbH (DE)
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Sequenz:Capture-Oligonukleotid"
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Sequenz:Capture-Oligonukleotid"
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AX825150
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Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 40 04-SEP-2003;
Degussa Bioactives GmbH (DE)
Location/Qualifiers
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Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 45 04 SEP-2003;
Degussa Bioactives GmbH (DE)
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AX825147.1 GI:39750876
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Sequence 40 from Patent WO03072818.
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 AX825156.1 GI:39750885
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Method for sorting single-stranded nucleic acids
Patent: Wo 03072818-A 53 04-SEP-2003;
Degussa Bioactives GmbH (DE)
Location/Qualifiers
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Sequenz:Capture-Oligonukleotid"
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/mod_base=OTHER
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                                                          /note="LNA-T (Locked Nucleic Acid)"
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                'note="LNA-T (Locked Nucleic Acid)"
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Sequence 53 from Patent W003072818.
AX825155
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AX825155/c
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ilarity 95.2%; Pred. No. 3.7e+02;
Conservative 0; Mismatches 1; Indels
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                                         Boekenkamp,D., Dieck,T.H. and Hoppe,H.U.
Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 54 04-SEP-2003;
Degussa Bioactives GmbH (DE)
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Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 56 04-SEP-2003;
Degussa Bioactives GmbH (DE)
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/note="Beschreibung der kuenstlichen
Sequenz:Capture-Oligonukleotid"
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/mod_base=OTHER
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other sequences; artificial sequences.
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Sequence 56 from Patent WO03072818.
AX825158
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95.2%; Pred. No. 3.7e+02;
tive 0; Mismatches 1; Indels
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Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 60 04-SEP-2003;
Degussa Bioactives GmbH (DE)
Location/Qualifiers
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synthetic construct
other sequences; artificial sequences.
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Sequence 58 from Patent WO03072818.
AX825160
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Sequence 60 from Patent W003072818.
AX825162.
AX825162.1 GI:39750891
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Location/Qualifiers
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AX825160/c
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AX825162/c
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TITLE
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/mod_base=OTHER
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imod_base=OTHER

    .21
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|db_xref="taxon:32630"

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Sequence 57 from Patent WO03072818.
AX825159
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/mod_base=OTHER
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PAT 27-APR-1998
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Koninklijke Nederlandse Akademie van Wetenschappen (NL)
Location/Qualifiers
1. 24
                                                                                                                                                                                                                                                                                                                                                                       unidentified
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(Danois of the 24)

Kanbara, H., Okano, K. and Uematsu, K.

RANALYSIS OR DETECTION OF NUCLEIC ACID
DEVICE OF NUCLEIC ACID
PATENT: JP 1997149799-A 1 10-JUN-1997;
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Location/Qualifiers
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Score 19.4; DB 1; Length 24;
Pred. No. 4e+02;
0; Mismatches 1; Indels
                                               1; Indels
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Sequence 31 from Patent WO02095071.
AX708815
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/db_xref="taxon:32644"
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                                                                                               2708 TAAAAAAAAAAAAAAAA 2728
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    Query Match 0.7
Best Local Similarity 95.2
Matches 20; Conservative
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BD195419.
BD195419.
BD195419.
BD195419.
GI:33006189
JP 2002516657-A/8.
Homo sapiens (human)
SM Homo sapiens (human)
SM Homo sapiens (human)
Hominidae; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euterchontoglires; Primates; Catarrhini;
Hominidae; Homo.
El (bases i to 24)
SCOHON, D., Blumenfeld, M., Chumakov, I. and Bougueleret, L.
Prostatic cancer gene
L. Prostatic JP 2002516657-A 8 11-JUN-2002;
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PN JP 2002516657-A/8
PD 11-JUN-2002
PP 11-JUN-2002
PF 22-DEC-1997 US 08/996306,09-SEP-1998 US 60/099658 PI
DANIEL COHEN,MARTA BLUMENFELD, ILYA CHUMAKOV, LYDIE BOUGHELERET PC
CLINIS/09,CLINIS/109,A01K67/027,CO7K14/47,CO7K16/18,CI2N1/15, PC
CLINIS/19, CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,CLINIS/10,C
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                                                                                             /note="Beschreibung der kuenstlichen
Sequenz:Capture-Oligonukleotid"
                                                                                                                                                                                                                                                                                                                                   /note="LNA-T (Locked Nucleic Acid)"
/mod_base=OTHER
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                                                                                                                                                                                                                                                                                   note="LNA-T (Locked Nucleic Acid)"
       1.21
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/mol_type="genomic DNA"
/db_xref="taxon:9606"
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BD196419/c
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PAT 14-JAN-2004
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                                                                                                                                                                                                                                                                                          Lopez,R.A.
Immunostimulatory oligonucleotides and uses thereof
Patent: WO 03101375-A 23 11-DEC-2003;
IMMUNOTECH S.A. (AR)
Location/Qualifiers
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0.7%; Score 19.2; DB 1;
Best Local Similarity 87.5%; Pred. No. 4.2e+02;
Matches 21; Conservative 0; Mismatches 3;
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/mol type="unassigned DNA"
/db_xref="taxon:32630"
                                                                                                                                               DNA
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Sequence 24 from Patent W003101375.
AX961629 AX961629.1 GI:40881087
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                                                             24 AAAAAAAAAAAACAAATGAAAA 1
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AX961628/c
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AX961630/c
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="sequence to demonstrate the principle of how to detect sequence to demonstrate the principle of how to detect sequence for any number of nucleotides selected from A, C, T or G#"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Immunostimulatory oligonucleotide"
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/mol_type="unassigned DNA"
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/note="Immunostimulatory oligonucleotide"
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Sequence 21 from Patent W003101375.
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Sequence 22 from Patent W003101375.
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0.7%; Score 19.2; DB 1; Length 24;
Best Local Similarity 87.5%; Pred. No. 4.2e+02;
Matches 21; Conservative 0; Mismatches 3; Indels
                                                                                    Lopez, R.A.
Immunostimulatory oligonucleotides and uses thereof
Patent: WO 03101375-A 25 11-DEC-2003;
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Patent: WO 03101375-A 26 11-DEC-2003;
IMMUNOTECH S.A. (AR)
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/db xref="taxon:32630"
/noTe="Immunostimulatory oligonucleotide"
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/organism="synthetic construct"
/mol type="unassigned DNA"
/db_xref="taxon:32630"
/note="Immunostimulatory oligonucleotide"
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AX961632
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Sequence 26 from Patent W003101375.
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AX961630.1 GI:40881088
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/mol type="unassigned DNA"
/db xref="taxon:32630"
/note="Immunostimulatory oligonucleotide"
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/organism="synthetic construct"
/mol_type="unassigned DNA"
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/note="Immunostimulatory oligonucleotide"
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Best Local Similarity 87.5%; Pred. No. 4.2e+02;
Matches 21; Conservative 0; Mismatches 3; Indels
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Sequence 73 from Patent WO03101375.
AX961678
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Sequence 28 from Patent WO03101375.
AX961633
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Collingwood, S.P., Moser, H.E., Altmann, K. and Douglas, M.E.
INTERMEDIATES FOR OLIGONUCLEOTIDE SYNTHESIS
PATENT: WO 9747636-A 4 18-DEC-1997;
CIBA GEIGY AG (CH)
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Sequence 4 from Patent W09747636.
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A68209.1 GI:4759376
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CE 1 (bases 1 to 24)

RS Conrad,M.J. and Coutts,S.

Conjugates of biologically stable polymers and polynucleotides for treating systemic lupus erythematosus.

AL Patent: JP 2001354569-A 7 25-DEC-2001;

LA JOLLA PHARMACEUTICAL CO
OS Artificial Sequence
PN JP 200134569-A/7

PD 25-DEC-2001

PF 04-APR-2001 JP 2001106534

PR 16-ANN-1990 US 466138,13-MAR-1990 US 494118 PI
MICHAEL J CONRAD, STEPHEN COUTTS

PC A61X31/7088,A61K47/48,A61P37/02,C07K14/00,C12N15/00,C12N15/00

CC Synthetic Construct
FH Key Location/Qualifiers
FT source | 1. 24 / Organism='Artificial Sequence'.
                                                                                                                   BD105782 27-AUG-2002 COnjugates of biologically stable polymers and polynucleotides for
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Immunostimulatory nucleic acids
Patent: WO 0122972-A 60 05-APR-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US); Coley Pharmaceutical
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/organism="synthetic construct"
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    forganism="synthetic construct"
|mol_type="unassigned DNA"
|db_xref="taxon:32630"

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24 AAAACAAATGAAAAAAAAA 1
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JP 2001354569-A/7.
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DEFINITION ACCESSION VERSION KEYWORDS

AX103868/c RESULT 402

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AUTHORS TITLE JOURNAL

FEATURES

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Gaps

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PAT 06-MAY-1999

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PAT 29-SEP-1999

PAT 14-FEB-2001

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TITLE JOURNAL FEATURES

ORGANISM

REFERENCE AUTHORS

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M Unknown.
Unclassified.
2 1 (bases 1 to 19)
3 Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.
3 Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.
2 '-0-aminooxy-modified oligonucleotides
2 '-0-aminooxy-modified oligonucleotides
AL Patent: US 6127533-A 22 03-0CT-2000;
Location/Qualifiers
                                                                                                                                                                                               Unclassified.

Unclassified.

L (bases 1 to 19)

S Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.

S 2'-0-aminooxy-modified oligonucleotides

2'-0-aminooxy-modified oligonucleotides

AL Patent: US 6127533-A 21 03-0CT-2000;

Location/Qualifiers
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Unclassified.
1 (bases 1 to 19)
Cook, P. Dan., Mancharan, M. and Kawasaki, A. Mamoru.
2'-O-aminooxy-modified oligonucleotides
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/organism="unknown"
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Sequence 23 from patent US 6127533.
AR111949.1 GI:12828797
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Sequence 22 from patent US 6127533.
AR111948
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Sequence 21 from patent US 6127533.
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/organism="unknown"
/wol_type="unassigned DNA"
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                               Unclassified.

1 (bases 1 to 19)
Leclerc, G. and Martel, R.
Radiolabeled DNA Oligomucleotide and method of preparation
Patent: US 5821354-A 1 13-OCT-1998;
Location/Qualifiers
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100.0%; Pred. No. 3.6e+02;
tive 0; Mismatches 0; Indels
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Unclassified.
1 (bases 1 to 19)
Cook, P.Dan., Manoharan, M. and Kawasaki, A.Mamoru.
2'-O-aminooxy-modified oligonucleotides
Patent: US 6127533-A 20 03-OCT-2000;
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/organism="unknown"
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/organism="unknown"
/mol_type="unassigned DNA"
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Leeds, J.M. and Cummins, L.L.
Fluorescence based nuclease assay
Patent: US 6127124-A 1 03-OCT-2000;
Location/Qualifiers
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Matches 19; Conservative
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KEYWORDS SOURCE ORGANISM

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AUTHORS TITLE JOURNAL FEATURES

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RESULT 407 AR111946/c

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AR111957/c
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100.0%; Pred. No. 3.6e+02;
ive 0; Mismatches 0; Indels
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Unclassified.
1 (bases 1 to 19)
Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.
2'-O-aminooxy-modified oligonucleotides
Patent: US 6127533-A 25 03-OCT-2000;
Location/Qualifiers
                                                                                                                                                                                                                                                                                    Unknown.
Unclassified.
1 (Dases 1 to 19)
COOK, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.
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Patent: US 6127533-A 24 03-OCT-2000;
Location/Qualifiers
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Patent: US 6127533-A 23 03-OCT-2000;
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/organism="unknown"
/mol_type="unassigned DNA".
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/organism="unknown"
/mol_type="unassigned DNA"

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Sequence 25 from patent US 6127533.
AR111951
AR111951.1 GI:12828799
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              Location/Qualifiers
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/organism="unknown"
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Best Local Similarity
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RESULT 413 AR111952/c

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Unclassified.

E 1 (bases 1 to 19)
S Cook, P.Ban., Manoharan, M. and Kawasaki, A.Mamoru.
2'-O-aminooxy-modified oligonucleotides
AL Patent: US 6127533-A 26 03-OCT-2000;
Location/Qualifiers
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Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.
2'-O-aminooxy-modified oligonucleotides
Patent: US 6127933-A 27 03-0CT-2000;
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Unclassified.
1 (bases 1 to 19)
Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru. 2'-O-aminooxy-modified oligonucleotides
Patent: US 6127533-A 31 03-OCT-2000;
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Pred. No. 3.6e+02;
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Sequence 26 from patent US 6127533.
AR111952
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/mol_type="unassigned DNA"
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AR111953
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Sequence 31 from patent US 6127533.
AR111957
AR111957.1 GI:12828805
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/organism="unknown"
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/organism="unknown"
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Unclassified.
Unclassified.
3 (bases 1 to 19)
S Cook, P.Dan., Manoharan, M. and Kawasaki, A. Mamoru.
2'-O-aminooxy-modified oligonucleotides
2'-O-aminooxy-modified oligonucleotides
AL Patent: US 6127533-A 33 03-OCT-2000;
Location/Qualifiers
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Unclassified.

E 1 (bases 1 to 19)
S Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.

2'-O-aminooxy-modified oligonucleotides

AL Patent: US 6127533-A 34 03-OCT-2000;

Location/Qualifiers
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    0.7%; Score 19; DB 1; Length 19;
100.0%; Pred. No. 3.6e+02;
cive 0; Mismatches 0; Indels
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Sequence 33 from patent US 6127533.
AR111959.1 GI:12828807
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Sequence 34 from patent US 6127533.
AR111960.1 GI:12828808
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/wol_type="unassigned DNA"
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Seguence 44 from patent US 6127533.
AR111970
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19 AAAAAAAAAAAAAAAA 1
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Query Match 0.7% Best Local Similarity 100.0 Matches 19; Conservative
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Best Local Similarity 100.0
Matches 19; Conservative
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AR111970/c
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1 (bases 1 to 19)
Manoharan,M., Cook,P.Dan., Prakash,T.P. and Kawasaki,A.M.
Manoharan,M., Cook,P.Dan., Prakash,T.P. and Kawasaki,A.M.
Aminooxy-modified oligonucleotides and methods for making same
Patent: US 6172209-A 21 09-JAN-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Unknow...
Unclassified.
1 (bases 1 to 19)
Manoharan,M., Cook,P.Dan., Frakash,T.P. and Kawasaki,A.M.
Manoharan,M., Gook,P.Dan., Prakash,T.P. and kawasaki,A.M.
Aminooxy-modified oligonucleotides and methods for making same
Patent: US 6172209-A 20 09-JAN-2001;
Localion/Qualifiers
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Unknown.
Unclassified.
1 (bases 1 to 19)
Cook, P.Dan., Manoharan,M. and Kawasaki,A.Mamoru.
2'-O-aminooxy-modified oligonucleotides
Patent: US 6127533-A 44 03-OCT-2000;
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/mol_type="unassigned DNA"
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Sequence 20 from patent US 6172209.
AR124843
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/mol_type="unassigned DNA"
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AR124845/c LOCUS DEFINITION ACCESSION

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PAT 16-MAY-2001
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Location/Qualifiers
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Manoharan, M., Cook, P. Dan., Prakash, T. P. and Kawasaki, A. M. Aminooxy-modified oligonucleotides and methods for making Patent: US 6172209-A 25 09-JAN-2001;
Location/Qualifiers
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ive 0; Mismatches 0; Indels
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/organism="unknown"
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Sequence 25 from patent US 6172209.
AR124848
AR124848.1 GI:14110209
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/organism="unknown"
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Manobaran,M., Cook,P.Dan., Prakash,T.P. and Kawasaki,A.M.
Aminoòxy-modified oligonucleotides and methods for making same
Patent: US 6172209-A 23 09-JAN-2001;
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1 (bases 1 to 19)
Manoharan,M., Cook,P.Dan., Prakash,T.P. and Kawasaki,A.M.
Aminooxy-modified oligonuclectides and methods for making same
Patent: US 6172209-A 24 09-JAN-2001;
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Manoharan,M., Gook,P.Dan., Prakash,T.P. and Kawasaki,A.M.
Aminooxy-modified oligonucleotides and methods for making
Patent: US 6172209-A 22 09-JMN-2001,
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Sequence 23 from patent US 6172209.
AR124846.
AR124846.1 GI:14110207
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/organism="unknown"
/mol_type="unassigned DNA"
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RESULT 422 AR124846/c LOCUS

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PAT 16-MAY-2001

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1 (bases 1 to 19)
Manoharan, M., Cook, P. Dan., Prakash, T.P. and Kawasaki, A.M.
Aminooxy-modified oligomucleotides and methods for making same
Patent: US 6172209 A 4 09-JAN-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                          1 (Dases I to 19)
Manoharan, M., Cook, P. Dan., Prakash, T.P. and Kawasaki, A.M.
Aminooxy-modified oligonucleotides and methods for making same
Patent: US 61722094 3 4 09-JAN-2001;
Location/Qualifiers
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Sequence 44 from patent US 6172209.
AR124867
AR124867.1 GI:14110228
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AR135291
AR135291.1 GI:14124196
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AR135291/c
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1 (bases M., Cook, P.Dan., Prakash, T.P. and Kawasaki, A.M.
Manoharan, M., Cook, P.Dan., Prakash, T.P. and Kawasaki, A.M.
Aminooxy-modified oligonucleorides and methods for making same
Patent: US 6172209-A 33 09-JAN-2001;
Location/Qualifiers
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1 (Dases 1 to 19)
Manoharan, M., Cook, P.Dan., Prakash, T.P. and Kawasaki, A.M.
Manoharan, M., Cook, P.Dan., Prakash, T.P. and Kawasaki, A.M.
Aminooxy-modified oligonucleotides and methods for making same
Patent: US 6172209-A 31 09-JAN-2001;
Location/Qualifiers
                                                                                                                       1 (bases 1 to 19)
Manoharan, M., Cook, P. Dan., Prakash, T.P. and Kawasaki, A.M.
Aminooxy-modified oligonucleotides and methods for making same
Patent: US 6172209-A 27 09-JAN-2001;
Location/Qualifiers
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Sequence 31 from patent US 6172209.
AR124854
AR124854.1 GI:14110215
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Sequence 33 from patent US 6172209.
AR124856 1 GI:14110217
   6172209.
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                   AR124850
AR124850.1 GI:14110211
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         Tobases 1 to 19)
Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.
Aminooxy-modified oligonucleotide synthetic intermediates
Patent: US 6194598-A 20 27-FEB-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                       1 (bases 1 to 19)
Cook, P. Dan., Mancharan, M. and Kawasaki, A. Mamoru.
Aminooxy-modified oligonuclectide synthetic intermediates
Patent: US 6194588-A 21 27-FEB-2001;
Location/Qualifiers
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1 (bases 1 to 19)

2 (cok, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.

Aminooxy-modified oligonuclectide synthetic intermediates

Patent: US 6194598-A 22 27-FEB-2001;
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Best Local Similarity 100.0%; Pred. No. 3.6e+02;
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                                                                                         /organism="unknown"
/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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AR135293
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/organism="unknown"
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1 (bases 1 to 19)
Cook, P.Dan., Manoharan, M. and Kawasaki, A.Mamoru.
Aminooxy-modified oligonuclectide synthetic intermediates
Patent: US 6194598-A 23 27-FEB-2001;
Location/Qualifiers
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1 (bases 1 to 19)

Cok,P.Dan., Manoharan,M. and Kawasaki,A.Mamoru.
Aminooxy-modified oligonucleotide synthetic intermediates
Patent: US 6194598-A 24 27-PEB-2001;
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Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.
Aminoxy-modified oligonucleotide synthetic intermediates
Patent: US 6194598-A 25 27. FEB-2001;
Location/Qualifiers
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Sequence 23 from patent US 6194598.
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/organism="unknown"
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Sequence 25 from patent US 6194598.
AR135296.1 GI:14124201
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Sequence 24 from patent US 6194598.
AR135295
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Unclassified.
1 (bases 1 to 19)
Cook, P. Dan., Manobaran, M. and Kawasaki, A. Mamoru.
Aminooxy-modified oligonucleotide synthetic intermediates
Patent: US 6194599-A 27 27-FEB-2001;
                                                                                                                                                                                                                                                                                       Unclassified.
Unclassified.
1 (bases 1 to 19)
Cok, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.
Aminooxy-modified oligonuclectide synthetic intermediates
Patent: US 6194598-A 26 27-FEB-2001;
Location/Qualifiers
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  1. .19
/organism="unknown"
/mol_type="unassigned DNA"
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 31 from patent US 6194598.
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Sequence 27 from patent US 6194598.
AR135298 GI:14124203
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Unclassified.
Unclassified.
Unclassified.
Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.
Aminooxy-modified oligonucleotide synthetic intermediates
Patent: US 6194598-A 34 27-FEB-2001;
Location/Qualifiers
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Cook, P. Dan., Mancharan, M. and Kawasaki, A. Mamoru.
Aminooxy-modified oligonucleotide synthetic intermediates
Patent: US 6194598-A 33 27-FEB-2001;
Location/Qualifiers
                                                                                                                             1 (bases 1 to 19)
Cook, P.Dan., Manobaran, M. and Kawasaki, A. Mamoru.
Aminooxy-modified oligonucleotide synthetic intermediates
Patent: US 6194599-A 31 27-FEB-2001;
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100.0%; Pred. No. 3.6e+02;
tive 0; Mismatches 0; Indels
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Sequence 34 from patent US 6194598.
AR135305
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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/organism="unknown"
/mol_type="unassigned DNA"
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AR135302
AR135302.1 GI:14124207
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                                                                                                                                                                                     Unclassified.

1 (bases 1 to 19)

Cook, P. Dan., Manoharan, M. and Kawasaki, A. Mamoru.

Aminoxy-modified oligonucleotide synthetic intermediates

Patent: US 6194598-A 44 27-FBB-2001;
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Unclassified.
1 (bases 1 to 19)
Manoharan,M., Kawasaki,A.M., Cook,P.Dan., Fraser,A.S. and
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Patent: US 6147200-A 4 14-NOV-2000;
Location/Qualifiers
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100.0%; Pred. No. 3.6e+02;
tive 0; Mismatches 0;
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                                                                                                      AR135315 19 bp Sequence 44 from patent US 6194598.
AR135315
                                                                                                                                                                                                                                                                        /organism="unknown"
/wol_type="unassigned DNA"
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/mol_type="unassigned DNA"
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Matches 19; Conservative
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19; Conservative
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AR141898/c
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synthetic construct
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other sequences; artificial sequences.
1 (bases 1 to 19)
Sosnowski, R.G., Butler, W.F., Tu, E., Nerenberg, M.I., Heller, M.J. and
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Manoharan,M., Mohan,V. and Boswell,H.
RNA targeted 2'-modified oligonucleotides that are conformationally
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1 (bases 1 to 19)
Heller,M.J., Tu.E., Evans,G.A. and Sosnowski,R.G.
Methods for transport in molecular biological analysis and
diagnostics
Patent: US 6238624-A 16 29-MAY-2001;
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100.0%; Pred. No. 3.6e+02;
tive 0; Mismatches 0; Indels
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/organism="unknown"
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Patent: US 6271358-A 6 07-AUG-2001;
Location/Qualifiers
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Sequence 6 from patent US 6271358.
AR164173.1 GI:16235162
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JP 2001525193-A/16
11-DEC-2001
01-DEC-1998 JP 2000524303
                                                                                                                    Location/Qualifiers
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Best Local Similarity 100.
Matches 19; Conservative
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JP 2002543215-A/16.
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BD274438/c
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PN JP 2002516657-A/489
PD 11-JUN-2002
PF 22-DEC-1998 JP 2000525562
PF 22-DEC-1999 JP 2000525562
PR 22-DEC-1997 US 08/996306,09-SEP-1998 US 60/099658 PI
DANIEL COHEN,MARTA BLUMENFELD,ILYA CHUMAKOV,LYDIE BOUGUELERET PC
CI2NIS/09,CIZNIS/09,A01K67/027,CO7K14/47,CO7K16/18,CIZNI/15, PC
CI2NIS/19,CIZNIS/00,CIZNIS/00
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I (basea; Homo.

Cohen, D., Blumenfeld, M., Chumakov, I. and Bougueleret, L.
Prostatic cancer gene
Patent: JP 2002516657-A 489 11-JUN-2002;
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  05-DEC-1997 US 08/986065
RONALD G SOSNOWSKI, WILLIAM F BUTLER, EUGENE TU, MICHAEL
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Location/Qualifiers
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100.0%; Pred. No. 3.6e+02;
iive 0; Mismatches 0; Indels
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PR 05-DEC-1997 US 08/986065
PI RONALD G SOSNOWSKI, WILLIAM F BUTLER, EUGENE TU
NERNBERG,
PI RUCHAEL J HELLER, CARL F EDWAN
PC C12Q1/68,C12N15/09,C12N15/00
CC Description of Artificial Sequence: Amine
CC Description of Artificial Sequence: Amine
CC Description of Artificial Sequence: Fr source
CC With dyes Location/Qualifiers
FT Source /organism='Artificial Sequence
FT
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0.7%; Score 19; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 19; Conservative 0; Mismatches 0;
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/mol_type="genomic DNA"
/db_kref="taxon:32630"
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/mol_type="genomic DNA"
/db_xref="taxon:9606"
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JP 2002516657-A/489.
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BD196900
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Homo sapiens
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Best Local Similarity 100.09
Matches 19; Conservative
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  PAT 17-JUL-2003
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ISIS PHARMACEUTICALS INC

S Artificial Sequence

PN JP 2002543215-A/16

PD 17-DEC-2002

PF 03-MAY-2000

PP 03-MAY-2000

PP 03-MAY-1999 US 09/30386

PI MUTHIAH MANOHARAN, VENKATRAMAN MOHAN

PC C07H21/02, A61K48/00, A61P35/00, A61P43/00, C12N15/09,

PC C12N15/00
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03-MAY-1999 US 09/303586
MUTHIAH MANOHARAN, VENKATRAWAN MOHAN
COTH21/02, A61K48/00, A61P35/00, A61P35/00, C12N15/09,
C12N15/00
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1 (bases 1 to 19)
Manoharan,M. and Mohan,V.
Oligonucleotides having A-DNA form and B-DNA form confirmational
                                                                                                                                                                                 other sequences; artificial sequences.
1 (bases 1 to 19)
Manoharan,M. and Mohan,V.
Oligonucleotides having A-DNA form and B-DNA form confirmational
BD274438 17-JUL-2
Oligonucleotides having A-DNA form and B-DNA form confirmational
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100.0%; Pred. No. 3.6e+02;
rative 0; Mismatches 0;
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ISIS PHARMACEUTICALS INC
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misc feature (17)..(18)
misc feature (18)..(19)
Location/Qualifiers
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3' - O-MOE linkage
3' - O-MOE linkage
3' - O-MOE linkage
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JP 2002543215-A/15.
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BD274439
BD274439.1 GI:33084207
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I (bases 1 to 19)

Manoharan,M. and Mohan,V.

Monobaran,M. and Mohan,V.

Oligonuclectides having A-DNA form and B-DNA form confirmational geometry

Pacent: JP 2002543215-A 17 17-DEC-2002;

Sartificial Sequence

NA P 2002543215-A/17

PN 17-DEC-2002

PN 03-MAY-2000 JP 2000615638

PR 03-MAY-2000 JP 2000615638

PR 03-MAY-1999 US 09/303586

PR 03-MAY-1999 US 09/303586

PR 03-MAY-1999 US 09/303586

PR 03-MAY-2000 JP 2000615638

PR 03-MAY-1999 US 09/303586

PR 03-MAY-1
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100.0%; Pred. No. 3.6e+02;
vative 0; Mismatches 0;
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                                                                                          Location/Qualifiers
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Location/Qualifiers
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Oligonucleotide
2' - O-MOE linkage
2' - O-MOE linkage
2' - O-MOE linkage
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synthetic construct
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BD274441 11-JUL-2003 Oligonucleotides having A-DNA form and B-DNA form confirmational
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Pred. No. 3.6e+02;
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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ISIS PHARMACEUTICALS INC
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syntheric construct
other sequences; artificial sequences.
1 (bases 1 to 19)
Manoharan,M. and Mohan,V.
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synthetic construct
other sequences; artificial sequences.
1 (bases 1 to 19)
Manoharan,M. and Mohan,V.
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                                                         BD274441.1 GI:33084209
JP 2002543215-A/18.
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JP 2002543215-A/26.
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1 (Dases 1 to 19)
Manoharan,M. and Mohan,V.
Oligonucleotides having A-DNA form and B-DNA form conformational
17-DEC-2002
03-MAY-2000 JP 2000615638
03-MAY-1999 US 09/303586
MUTHAAH MANOHARAN, VENKATRAMAN MOHAN
CO7H21/02, A6IK48/00, A6IP35/00, A6IP35/02, A6IP43/00, CI2N15/09,
CI2N15/00
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1 (bases 1 to 19)
Manoharan, M. and Mohan, V.
Oligonucleotides having A-DNA form and B-DNA form conformational
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SC feature (17) . (18)
SC feature (18) . (19)
Location/Qualifiers
                                                                                                                                                                                                                         /organism="synthetic construct"
/mol type="genomic DNA"
/db_xref="taxon:32630"
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Patent: US 6369209-A 15 09-APR-2002;
Location/Qualifiers
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Sequence 16 from patent US 6369209.
AR205799
AR205799.1 GI:21503473
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 15 from patent US 6369209.
AR205798
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2. modified T linkage
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AR205798/c
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Manoharan,M. and Mohan,V.
Oligonucleotides having A-DNA form and B-DNA form conformational
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Manoharan,M. and Mohan,V.
Oligonucleotides having A-DNA form and B-DNA form conformational
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100.0%; Pred. No. 3.6e+02;
tive 0; Mismatches 0; Indels
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Patent: US 6369209-A 18 09-APR-2002;
Location/Qualifiers
geometry
Patent: US 6369209-A 16 09-APR-2002;
Location/Qualifiers
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Patent: US 6369209-A 17 09-APR-2002;
Location/Qualifiers
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/mol_type="unassigned DNA"
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Sequence 18 from patent US 6369209.
AR205801. GI:21503476
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Sequence 17 from patent US 6369209.
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/organism="unknown"
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PAT 25-SEP-2002

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1 (bases 1 to 19)
Kawasaki, A.M., Fraser, A.S., Manoharan, M., Cook, P.D. and
Prakash, T.P.
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Kawasaki,A.M., Fraser,A.S., Manoharan,M., Cook,P.D. and
Prakash,T.P.
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Regioselective synthesis of 2'-O-modified nucleosides
Patent: US 6403779-A 2 11-UN-2002;
ISIS Pharacceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
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100.0%; Pred. No. 3.6e+02;
tive 0; Mismatches 0; Indels
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100.0%; Pred. No. 3.6e+02;
Live 0; Mismatches 0; Indels
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Sequence 3 from patent US 6403779.
AR213492
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Sequence 4 from patent US 6403779.
AR213493
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Kawasaki,A.M., Fraser,A.S., Manoharan,M., Cook,P.D. and
Prakash,T.P.
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1 (bases 1 to 19)
Kawasaki,A.M., Fraser,A.S., Manoharan,M., Cook,P.D. and
Prakash,T.P.
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Patent: US 6403779-A 1 11-JUN-2002;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
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100.0%; Pred. No. 3.6e+02;
live 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 19; Conservative 0; Mismatches 0;
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Sequence 26 from patent US 6369209.
AR205809
AR205809.1 GI:21503486
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Patent: US 6369209-A 26 09-APR-2002;
Location/Qualifiers
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Sequence 2 from patent US 6403779.
AR213491. GI:23310722
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AR213490
AR213490.1 GI:23310721
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/organism="unknown"
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Manoharan, M. and Mohan, V.
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AR213491/c
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1 (bases 1 to 19)
Kawasaki,A.M., Fraser,A.S., Manoharan,M., Cook,P.D. and
Prakash,T.P.
Regioselective synthesis of 2'-0-modified nucleosides
Patent: US 6403779-A 7 11-UUN-2002;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
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Kawasaki,A.M., Fraser,A.S., Manoharan,M., Cook,P.D. and Prakash,T.P.
Regioselective synthesis of 2'.-O-modified nucleosides Patent: US 6403779-A 12 11.-UUN-2002;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
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Kawasaki, A.M., Fraser, A.S., Mancharan, M., Cook, P.D. and
Prakash, T.P.
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                                                                                                                                                                                                                        Query Match 0.7%; Score 19; DB 1; Length 19; Best Local Similarity 100.0%; Pred. No. 3.6e+02; Matches 19; Conservative 0; Mismatches 0; Indels
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Kawasaki, A.M., Fraser, A.S., Manoharan, M., Cook, P.D. and Prakash, T.P.

Regioselective synthesis of 2'-O-modified nucleosides Patent: US 6403779-A 6 11-UIN-2002;

ISIS Pharmaceuticals, Inc.; Carlsbad, CA

Location/Qualifiers
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1 (bases 1 to 19)
Kawasaki, A.M., Fraser, A.S., Manoharan, M., Cook, P.D. and Prakash, T.P.
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Sequence 6 from patent US 6403779.
AR213495. GI:23310726
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Sequence 7 from patent US 6403779.
AR213496.1 GI:23310727
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Sequence 5 from patent US 6403779,
AR213494 GI:23310725
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Ravikumar,V.T., Manoharan,M., Capaldi,D.C., Krotz,A., Cole,D.L. and
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Kawasaki, A.M., Fraser, A.S., Manoharan, M., Cook, P.D. and
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                                                                                                                       Prakach, T.P.
Regioselective synthesis of 2'-O-modified nucleosides
Patent: US 6403779-A 25 11-JUN-2002;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
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Patent: US 6465628-A 1 15-OCT-2002;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 19; Conservative 0; Mismatches 0;
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Peptide acceptor ligation methods
Patent: US 6429300-A 25 06-AUG-2002;
Phylos, Inc.; Lexington, MA
Location/Qualifiers
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AR222465
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Sequence 1 from patent US 6465628.
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nes 19; Conservative
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Kawasaki,A.M., Fraser,A.S., Manoharan,M., Cook,P.D. and
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Kawasaki, A.M., Fraser, A.S., Manoharan, M., Cook, P.D. and
Prakash, T.P.
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Patent: US 6403779-A 14 11-JUN-2002;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
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Patent: US 6403779-A 15 11-JUN-2002;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
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Sequence 14 from patent US 6403779.
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Seguence 25 from patent US 6403779.
AR213512
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Best Local Similarity
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AR213502/c
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DEFINITION

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REFERENCE AUTHORS JOURNAL

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RESULT 468 AR213503/c

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PAT 17-AUG-2003

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Unthrown.
Unknown.
Unclassified.
1 (bases 1 to 19)
1 (bases 1 to 19)
Manoharan,M., Cook,P.D., Prakash,T.P. and Mohan,V.
Guanidinium functionalized nucleotides and precursors thereof
Patent: US 6593466-A 5 15-JUL-2003;
ISIS Pharmaccuticals, Inc.; Carlsbad, CA
Location/Qualifiers
                                                                                                                       (bases 1 to 19)
Manoharan,M., Cook,P.D., Prakash,T.P. and Mohan,V.
Guanidinium functionalized nucleotides and precursors thereof
Patent: US 6593466-A 1-JUL-2003;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
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Unclassified.
Unclassified.
Unclassified.
Collingwood, S.P., Moser, H.E., Altmann, K.-H. and Douglas, M.E.
Intermediates for oligonucleotide synthesis
Patent: US 6329519-A 4 11-DEC-2001;
ISIS Pharmaceuticals, Inc.; Carlebad, CA;
GBX;
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Sequence 5 from patent US 6593466.
AR359806
Sequence 4 from patent US 6593466

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/organism="unknown"
/mol_type="genomic DNA"

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Unknown.
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Unclassified.
1 (Dases 1 to 19)
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Manoharan,M., Cook,P.D., Prakash,T.P. and Mohan,V.
Guanidinium functionalized nucleotides and precursors thereof
Patent: US 6593466-A 3 15-JUL-2003;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
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Patent: US 6562960-A 10 13-MAY-2003;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA;
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Sequence 10 from patent US 6562960.
AR321589
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AR369uence 3 from patent US 6593466.
AR359804 GI:33766602
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/mol_type="genomic DNA"
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RESULT 473 AR359804/c LOCUS

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Unknown.
Unclassified.
1 (bases 1 to 19)
Kawasaki,A.M., Fraser,A.S., Manoharan,M., Cook,P.D. and
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Kawasaki,A.M., Fraser,A.S., Manoharan,M., Cook,P.D. and
Prakash,T.P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 (bases 1 to 19)
Kawasaki,A.M., Fraser,A.S., Manoharan,M., Cook,P.D. and
Prakash,T.P.
                                                                                                                                                         Prakash,T.P.
Regioselective synthesis of 2'-O-modified nucleosides
Regioselective synthesis of 2'-O-modified nucleosides
Fatent: US 6624294-A 1 23-SEP-2003;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Regioselective synthesis of 2'-O-modified nucleosides
Patent: US 664494-A 2 23-SEP-2003;
ISIS Pharaceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
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Patent: US 6624294-A 3 23-SEP-2003;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
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100.0%; Pred. No. 3.6e+02;
tive 0; Mismatches 0;
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Sequence 3 from patent US 6624294.
AR403603
         Sequence 1 from patent US 6624294.
                                                                                                                                                                                                                                                                                   /mol_type="genomic DNA"
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AR403602/c
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Unclassified.
E 1 (bases 1 to 19)
AS Crooke,S.T., Lima,W.F., Wu,H. and Monoharan,M.
Human Rases H1 and oligonucleotide compositions thereof
AL Patent: US 6617442-A 18 09-SEP-2003;
Isis Pharmaceuticals, Inc., Carlsbad, CA
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                         Unclassified.

1 (bases 1 to 19)

Crooke,S.T., Lima,W.F., Wu,H. and Monoharan,M.

Human Rnase H1 and oligonucleotide compositions thereof

Patent: US 6617442-A 17 09-SEP-2003;

Isis Pharmaceuticals, Inc.; Carlsbad, CA

Location/Qualifiers
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0.7%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 19; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 19; Conservative 0; Mismatches 0; Indels
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AR399177
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Sequence 18 from patent US 6617442.
AR399178
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AR403606/c
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AR403607/c
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Kawasaki,A.M., Fraser,A.S., Manoharan,M., Cook,P.D. and
Prakash,T.P.
Regioselective synthesis of 2'-O-modified nucleosides
Patent: US 6624294-A 5 23-SEP-2003;
ISIS Pharmaceuticals, Inc.; Carlebad, CA
Location/Qualifiers
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Kawasaki, A.M., Fraser, A.S., Manoharan, M., Cook, P.D. and
Prakash, T.P.
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Sequence 5 from patent US 6624294.
AR403605.1 GI:40151191
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Sequence 4 from patent US 6624294.
AR403604.
AR403604.1 GI:40151190
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Location/Qualifiers
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1 (bases 1 to 19)
Kawasaki,A.M., Fraser,A.S., Manoharan,M., Cook,P.D. and
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Kawasaki, A.M., Fraser, A.S., Manoharan, M., Cook, P.D. and
Prakash, T.P.
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Kawasaki, A.M., Fraser, A.S., Manoharan, M., Cook, P.D. and
Prakash, T.P.
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ISIS Pharmaceuticals, Inc.; Carlsbad, CA Location/Qualifiers
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Sequence 7 from patent US 6624294.
AR403607.1 GI:40151193
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Seguence 8 from patent US 6624294.
AR403608 1GI:40151194
Sequence 6 from patent US 6624294.
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Sequence 15 from patent US 6624294.
AR403614
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Sequence 25 from patent US 6624294.
AR403623.1 GI:40151209
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Sequence 1 from patent US 6639061.
AR412338
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1 (bases 1 to 19)
Kawasaki,A.M., Fraser,A.S., Manoharan,M., Cook,P.D. and
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Kawasaki,A.M., Fraser,A.S., Manoharan,M., Cook,P.D. and
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Patent: US 6624294-A 12 23-SEP-2003;
ISIS Pharaccuticals, Inc.; Carlsbad, CA
Location/Qualifiers
          Regioselective synthesis of 2'-O-modified nucleosides
Patent: US 6624294-A 8 23-SEP-2003;
ISIS Pharmaccuticals, Inc.; Carlsbad, CA
Location/Qualifiers
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Patent: US 6624294-A 14 23-SEP-2003;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
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tive 0; Mismatches 0;
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Sequence 12 from patent US 6624294.
AR400512. GI:40151198
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Prakash, T. P.
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Unclassified.
1 (bases 1 to 19)
Kawasaki,A.M., Fraser,A.S., Manoharan,M., Cook,P.D. and
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Kawasaki,A.M., Fraser,A.S., Mancharan,M., Cook,P.D. and
                                                                                                                                                                                                           Prakash, T.P. Regioselective synthesis of 2'-O-modified nucleosides Patent: US 6624294-A 15 23-SEP-2003; ISIS Pharmaceuticals, Inc.; Carlsbad, CA Location/Qualifiers
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Regioselective synthesis of 2'-O-modified nucleosides
Patent: US 6624294-A 25 23-SEP-2003;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
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100.0%; Pred. No. 3.6e+02;
cive 0; Mismatches 0; Indels
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         Unclassified.

1 (bases 1 to 19)

2 (Cok,P.D.), Manoharan,M., Maier,M. and An,H.

C3'-methylene hydrogen phosphonate oligomers and related compounds Patent: US 6639061-A 1 28-OCT-2003;

ISIS Pharmaceuticals, Inc.; Carlsbad, CA
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Manoharan, M. and Cook, P.D.
Y.-O-aminoethyloxyethyl-modified oligonucleotides
Parent: US 6673912-A 5 06-JAN-2004;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 (bases 1 to 19)
Manoharan,M., Cook,P.D. and Guinosso,C.J.
Modified oligonucleotides
Patent: US 6653458-A 6 25-NOV-2003;
ISIS Pharmaceuticals, Inc.; Carlebad, CA
Location/Qualifiers
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Sequence 5 from patent US 6673912.
AR451262
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Seguence 6 from patent US 6653458.
AR432616
AR432616.1 GI:40195149
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/organism="unknown"
/mol_type="genomic DNA"
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/organism="unknown"
/mol_type="genomic DNA"
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/mol_type="genomic DNA"
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AR451262/c
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Manoharan,M. and Mohan,V.
Oligonuclectides having A-DNA form and B-DNA form conformational geometry
Patent: US 6737520-A 15 18-MAY-2004;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
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I (bases 1 to 19)

AS Manoharan, M. and Cook, P.D.

AL Patent: US 6673912-A 26 06-JAN-2004;

ISIS Pharmaceuticals, Inc.; Carlsbad, CA

Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 19; Conservative 0; Mismatches 0;
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AR541350
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Seguence 26 from patent US 6673912.
AR451282
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/mol_type="genomic DNA"
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Best Local Similarity 100.0
Matches 19; Conservative
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AUTHORS TITLE

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REFERENCE

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Unknown.
Unclassified.
1 (bases 1 to 19)
Ravikumar, V.T., Manoharan, M., Capaldi, D.C., Krotz, A., Cole, D.L. and
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1 (bases 1 to 19)
Manoharan,M. and Mohan,V.
Oligonucleotides having A-DNA form and B-DNA form conformational
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 Length 19;
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Ouery Match 0.7%; Score 19; DB 1; Le Best Local Similarity 100.0%; Pred. No. 3.6e+02; Matches 19; Conservative 0; Mismatches 0;
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Patent: US 6737520-A 26 18-MAY-2004;
ISIS Pharmaceuticals, Inc.; Carlsbad,
Location/Qualifiers
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Sequence 26 from patent US 6737520.
AR541361
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AR696327/c AR696327 19 bp
LOCUS Sequence 3 from patent US 6914148.
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Sequence 1 from patent US 6858715.
AR641124
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/mol_type="genomic DNA"
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/mol_type="genomic DNA"
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Unclassified.
In (bases 1 to 19)
Manoharan, M. and Mohan, V.
Oligonucleotides having A-DNA form and B-DNA form conformational geometry.
Jeanetry Geometry B 18-WAY-2004;
Patent: US 6737520-A 18 18-WAY-2004;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
               Unclassified.

1 (bases 1 to 19)

Manoharan,M. and Mohan,V.
Oligonucleotides having A-DNA form and B-DNA form conformational geometry
Patent: US 6737520-A 16 18-MAY-2004;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
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Patent: US 6737520-A 17 18-MAY-2004;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
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1 (bases 1 to 19)
Manoharan, M. and Mohan, V.
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Unclassified.
1 (basses 1 to 19)
Manoharan,M., Cook,P.D., Prakash,T.P. and Mohan,V. Guanidinium functionalized intermediates
Patent: US 6914148-A 13 05-UUL-2005;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
                                                                           1 (bases 1 to 19)
Manoharan, M., Cook, P.D., Prakash, T.P. and Mohan, V.
Guanidinium functionalized intermediates
Patent: US 6914148-A 3 05-JUL-2005;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
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Manoharan, M., Ccok, P.D., Prakash, T.P. and Mohan, V. Guanidinium functionalized intermediates
Patent: US 6914148-A 7 05-UUJ-2005;
ISIS Pharmaceuticals, Inc.; Carlebad, CA
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Sequence 13 from patent US 6914148.
AR696337.1 GI:75198991
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AR696337/c
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AR696331/c
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Manoharan, M. and Guzaev, A.
Manoharan, M. and Guzaev, A.
Synthetic methods and intermediates for triester oligonucleotides
Patent: US 6919437-A 319-JUL-2005;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
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Prakash, T.P. and Manoharan, M.
Prakash, T.P. and Manoharan, M.
Puchtods of modulating pharmacokinetics of oligonucleotides
Patents US 6921812-A 3 26-JUL-2005;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
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Sequence 24 from patent US 6946251.
AR720127
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Sequence 3 from patent US 6921812.
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Patent: US 5861487-A 20 19-JAN-1999;
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                                                                              Kurn,N.
Methods and compositions for amplification of RNA sequences using
RNA-DNA composite primers
Patent: US 6946251-A 24 20-SEP-2005;
NuGEN Technologies, Inc.; San Carlos, CA
Location/Qualifiers
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1 (bases 1 to 20)
Holton, T. Albert., Cornish, E. Cecily., Kovacic, F., Tanaka, Y. and
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Holton, T.A., Cornish, E.C., Kovacic, F., Tanaka, Y. and Lester, D.R. Genetic sequences encoding flavonoid pathway enzymes and uses therefor
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In vitro amplification of Patent: WO 2005003389-A 3 13-JAN-2005;
Royal Holloway and Bedford New College (GB)
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 19; Conservative 0; Mismatches 0;
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Location/Qualifiers
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SOURCE

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Brenner,S.
Massively parallel sequencing of sorted polynucleotides
Patent: US 5695934-A 23 09-DEC-1997;
Location/Qualifiers
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Sequenz:Capture-Oligonukleotid"
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AX825105/c
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DEFINITION Sequence 3 from Patent WO03072818.
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Holton,T.Albert., Cornish,E.Cecily. and Tanaka,Y.
Holton,T.Albert., Cornish,E.Cecily. and Tanaka,Y.
Genetic sequences encoding flavonoid pathway enzymes and uses therefor
Patent: US 5639870-A 11 17-JUN-1997;
Patent: US 5639870-A 11 17-JUN-1997;
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Sequence 23 from patent US 5695934.
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Seguence 11 from patent US 5639870.
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AR118155.1 GI:14099061
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Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 3 04-SEP-2003;
Degussa Bioactives GmbH (DE)
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Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 9 04-SEP-2003;
Degussa Bioactives GmbH (DE)
Location/Qualifiers
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/noTe="Beschreibung der kuenstlichen
Sequenz:Capture-Oligonukleotid"
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/db_xref="taxon:32630"
/noTe="Beschreibung der kuenstlichen
Sequenz:Capture-Oligonukleotid"
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	FAT 11-DEC-2003 (a) Gaps 0;	: PAT 11-DEC-2003
2708 TAAAAAAAAAAAAAAA 2726 	AX825113 Sequence 11 from Patent W003072818. AX825113.1 GI:39750842 Synthetic construct other sequences; artificial sequences. 1 construct Bockenkamp, D. Dieck, T. H. and Hoppe, H. U. Method for sorting single-stranded nucleic acids Patent: W0 03072818-A 11 04-SEP-2003; Location/Qualifiers 1. cl Anganism="synthetic construct" Anole-"Beschreibung der kuenstlichen Sequens:Capture-Oligonuklectid" Location/Qualifiers 1. cl Anote="LNA-T (Locked Nucleic Acid)" Anote="LNA-T (Loc	AX825116 21 bp DNA linear Sequence 14 from Patent W003072818. AX825116 AX825116.1 GI:39750845 synthetic construct synthetic construct other sequences; artificial sequences. Bookenkamp, D., Dieck, T.H. and Hoppe, H.U. Method for sorting single-stranded nucleic acids Patent: WO 03072818-A 14 04-SEP-2003; Degussa Bioactives GmbH (DE)
Qy 2708 TAAAA 	AX825113 / CACUES DEFINITION Sequence 11 ACCESSION AX825113 .1 (EXEMORDS SURCE Synthetic co ORGANISM Synthetic co OTHER Sequen AUTHORS Boekenkamp, D TITLE Degussa Bloa FEATURES Local Similarity Match Best Local Similarity Matches 19; Conserv OY 2708 TAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	AX822116/c LOCUS LOCUS DEFINITION Sequence 14 3 ACCESSION AX825116.1 (VERSION AX825116.1 (KEYWORDS COURCE ORGANISM synthetic con ORGANISM synthetic con ORGANISM SHAPPORS Doekenkamp, D TITLE MATHORS Doekenkamp, D TITLE Method for se JOURNAL Degussa Block

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Location/Qualifiers 1. 21 /organia="synthetic construct" /mol_type="unassigned DNA" /db_xref="taxon:32630" /noTe="Beschreibung der kuenstlichen Sequenz:Capture-Oligonukleotid" 1 /bound_moiety="Biotin" 3 /note="LNA-T (Locked Nucleic Acid)" /mod_base=OTHER /mod_base=OTHER /mod_base=OTHER /mod_base=OTHER /mod_base=OTHER /mod_base=OTHER /mod_base=OTHER	od_base=OTHER od_base=OTHER od_base=OTHER od_base=OTHER od_base=OTHER od_base=OTHER 0.7%; Score 19; DB 1; 100.0%; Pred. No. 3.9e+ vative 0; Mismatches	AX825117 SuperadaAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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Krieg,A.M., Schetter,C. and Vollmer,J.C.
Immunostimulatory nucleic acids
Patent: WO 0122972-A 61 05-APR-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US) ; Coley Pharmaceutical
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Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 55 04-SEP-2003;
Degussa Bioactives GmbH (DE)
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Sequenz:Capture-Oligonukleotid"
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
                                                                                                          Shoshan, A., Wasserman, A., Mintz, E., Mintz, L. and Faigler, S. Oligonucleotide library for detecting rna transcripts and splice variants that populate a transcriptome Patent: WO 0210449-A 31969 07-FEB-2002;
                                                                                                                                                                                                                                                                                                                                                                                         2361 GCAAGGGTACGCTGGGCAAGTTCACTGTGCCCATGCTGAAAGAGGCCTGCCGGGCTT 2417
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1 (bases 1 to 20)

2 Sebo,K.M., Bosselman,R.A., Suggs,S.V. and Martin,F.H.

DNA encoding stem cell factor

Patent: US 6207417-A 32 27-MAR-2001;

Location/Qualifiers
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Unclassified.
1 (bases 1 to 20)
2 sebo, K.M., Bosselman, R.A., Suggs, S.V. and Martin, F.H.
DNA encoding stem cell factor
Patent: US 6207417-A 34 27-MAR-2001;
Location/Qualifiers
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57.9%; Pred. No. 5.7e+02;
trive 0; Mismatches 24;
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95.0%; Pred. No. 4.2e+02;
ative 0; Mismatches 1;
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Sequence 32 from patent US 6207417.
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Sequence 34 from patent US 6207417.
AR139962.1 GI:14482458
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/organism="Homo sapiens"
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/mol_type="unassigned DNA"
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/organism="unknown"
/mol_type="unassigned DNA"
                                                                                                                                                                                       Compugen Inc. (US)
Location/Qualifiers
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Homo sapiens (human)
Homo sapiens
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Matches 33; Conservative
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Patent: WO 2005003393-A 12 13-JAN-2005;
Keygene N.V. (NL)
Location/Qualifiers
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Synthetic Sequence"
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other sequences; artificial sequences.
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Seguence 61 from Patent W002053141.
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2709 AAAAAAAAAAAAAAAAAA 2730
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DEFINITION ACCESSION VERSION KEYWORDS

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AR211367/c
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                                                                                                                                                                                                                                  Unclassified.

1 (bases 1 to 20)

2 Saebo,K.M., Bosselman,R.A., Suggs,S.V. and Martin,F.H.

Method for enhancing the effciency of gene transfer with stem cell
factor (SCF) polypeptide

Patent: US 6207454-A 32_27-MAR-2001;
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1 (bases 1 to 20)

2 Saebo,K.M., Bosselman,R.A., Suggs,S.V. and Martin,F.H.
Method for enhancing the effciency of gene transfer with stem cell factor (SCF) polypeptide
Patent: US 6207454_A 34 27-MAR-2001;
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/mol_type="unassigned DNA"
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/organism="unknown"
/mol_type="unassigned DNA"
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Protection of partial complementary nucleic acid fragment using electroconductive chip and intercalator
Patent: US 6399305-A 5 04-JUN-2002;
Location/Qualifiers
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Makino,Y., Abe,Y., Takagi,M., Takenaka,S., Yamashita,K. and
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Unclassified.

[Dases 1 to 20)

Sebo,K.M., Bosselman,R.A., Suggs,S.V. and Martin,F.H.

Stem cell factor and compositions

Patent: US 6207802-A 34.27-MAR-2001;
Unclassified.

1 (bases 1 to 20)

2sebo,K.M., Bosselman,R.A., Suggs,S.V. and Martin,F.H.

Stem cell factor and compositions

Patent: US 6207802-A 32 27-MAR-2001;
                                                                                                                                                                                                    0.7%; Score 18.4; DB 1; Length 20; 95.0%; Pred. No. 4.2e+02; tive 0; Mismatches 1; Indels
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AR140559
AR140559.1 GI:14483055
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Sequence 5 from patent US 6399305.
AR211367.1 GI:21514670
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    /organism="unknown"

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Zsebo, K.M., Bosselman, R.A., Suggs, S.V. and Martin, F.H.
Method of preparing human stem cell factor polypeptide
Patent: US 675921s A 32 06-JUL-2004;
Pagen Inc.; Thousand Oaks, CA
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Unclassified.

1 (Dases 1 to 20)

2cebo.K.W. Bosselman,R.A., Suggs,S.V. and Martin,F.H. Method of preparing human stem cell factor polypeptide Patent: US 6752915-A 34 06-JUL-2004;

Amgen Inc.; Thousand Oaks, CA
Location/Qualifiers
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95.0%; Pred. No. 4.2e+02;
tive 0; Mismatches 1; Indels
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AR562158
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AR630294
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Sequence 32 from patent US 6759215.
AR562156
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/mol_type="genomic DNA"
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Best Local Similarity 95.08
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AR562156/c
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Zsebo,K.M., Bosselman,R.A., Suggs,S.V. and Martin,F.H.
Method of stimulating growth of melanocyte cells by administering
stem cell factor.
Patent: US 685213-A 32 08-FEB-2005;
Amgen Inc.; Thousand Oaks, CA
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Zsebo, K.M., Bosselman, R.A., Suggs, S.V. and Martin, F.H.
Stem cell factor compositions
Patent: US 6841147-A 34 11-JAN-2005;
Amgen, Inc., Thousand Oaks, CA
Location/Qualifiers
1 (bases 1 to 20)
Zsebo,K.M., Bosselman,R.A., Suggs,S.V. and Martin,F.H.
Stem cell factor compositions
Patent: US 6841147-A 32 11-JAN-2005;
Amgen, Inc.; Thousand Oaks, CA
Location/Qualifiers
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Pred. No. 4.2e+02;
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95.0%; Pred. No. 4.2e+02;
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Best Local Similarity 95.0%; Pred. No. 4.2e-
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Sequence 32 from patent US 6852313.
AR634605
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Sequence 34 from patent US 6841147.
AR630296
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/mol_type="genomic DNA"
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AX136903.1 GI:14273252
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Best Local Similarity
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Unclassified.
(I (bases I to 20)
Zsebo,K.M., Bosselman,R.A., Suggs,S.V. and Martin,F.H.
Method of stimulating growth of melanocyte cells by administering stem cell factor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Unclassified.
1 (bases 1 to 20)
Zsebo,K.M., Bosselman,R.A., Suggs,S.V. and Martin,F.H.
Method for increasing hematopoietic progenitor cells by stem cell
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                                                                                                                                                                                                                                                      Patent: US 6852313-A 34 08-FBB-2005;
Amgen Inc.; Thousand Oaks, CA
Location/Qualifiers
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Amgen Inc.; Thousand Oaks, CA
Location/Qualifiers
                                                                                                     Sequence 34 from patent US 6852313.
AR634607.1 GI:59791793
Mismatches
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Sequence 32 from patent US 6967029.
AR772056
AR772056.1 GI:83347865
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Sequence 34 from patent US 6967029.
AR772058
AR772058.1 GI:83347867
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/organism="unknown"
/mol_type="mRNA"
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Zsebo,K.M., Bosselman,R.A., Suggs,S.V. and Martin,F.H.
Method for increasing hematopoietic progenitor cells by stem cell
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Detection of partly complementary nucleic acid fragment Patent: EP 1055278-A 5 03-JAN-2001;
FUJI PHOTO FILM CO., LID. (JP)
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synthetic construct
other sequences; artificial sequences.
                                                                                            Patent: US 6967029-A 34 22-NOV-2005;
Amgen Inc.; Thousand Oaks, CA
Location/Qualifiers
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Sequence 17 from Patent WO03072818.
AX825119
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Sequence 5 from Patent BP1065278.
AX136903
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Page 132

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PAT 11-DEC-2003

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Boekenkamp,D., Dieck,T.H. and Hoppe,H.U.
Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 20 04-SEP-2003;
Degussa Bloactives GmbH (DE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              'note="Beschreibung der kuenstlichen
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                                                                                   Query Match 0.7%; Score 18.4; DB 1; Best Local Similarity 95.0%; Pred, No. 4.4e+02; Matches 19; Conservative 0; Mismatches 1;
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other sequences; artificial sequences.
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Sequence 20 from Patent WO03072818.
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AX825122.1 GI:39750851
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Sequence 21 from Patent WO03072818.
AX825123. GI:39750852
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Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 19 04-SEP-2003;
Degussa Bloactives GmbH (DE)
Location/Qualifiers
                                                  /note="Beschreibung der kuenstlichen
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Sequenz:Capture-Oligonukleotid"
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Pred. No. 4.4e+02;
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Sequence 23 from Patent WO03072818.
AX825125
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                                                                     Boekenkamp, D., Dieck, T.H. and Hoppe, H.U.
Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 21 04-SEP-2003;
Degussa Bioactives GmbH (DE)
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Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 22 04-SEP-2003;
Degussa Bioactives GmbH (DE)
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/db_xref="taxon:32630"
/note="Reschreibung der kuenstlichen
Sequenz:Capture-Oligonukleotid"
                                                                                                                                                                            /organism="synthetic construct"
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/note="Beschreibung der kuenstlichen
                                                                                                                                                                                                                                                                                                                                                             note="LNA-T (Locked Nucleic Acid)"
(mod_base=0THER
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/mod_base=OTHER
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/mod_base=OTHER
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/note="LNA-T (Locked Nucleic Acid)"
/mod_base=OTHER
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/mod_base=OTHER
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Pred. No. 4.4e+02;
0; Mismatches 1;
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other sequences; artificial sequences.
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other sequences; artificial sequences.
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Best Local Similarity 95.0%;
Matches 19; Conservative 0
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                                                                                                                                                                                                              Boekenkamp, D., Dieck, T.H. and Hoppe, H.U.
Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 30 04-SEP-2003;
Degusta Bioactives GmbH (DE)
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/note="Beschreibung der kuenstlichen
Sequenz:Capture-Oligonukleotid"
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synthetic construct
other sequences, artificial sequences.
                                                                    Sequence 30 from Patent WO03072818.
AX825132
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Sequence 31 from Patent WO03072818.
AX825133.1 GI:39750862
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                                           RESULT 549
AX825132/c
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Patent: WO 03072818-A 33 04-SEP-2003;
Degussa Bioactives GmbH (DE)
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Sequenz:Capture-Oligonukleotid"
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Sequenz:Capture-Oligonukleotid"
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/mod_base=OTHER
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/mod_base=OTHER
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/mod_base=OTHER
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/mod_base=OTHER
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synthetic construct
other sequences; artificial sequences.
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Sequence 33 from Patent WO03072818.
AX825135
                                                                                                    'bound_moiety="Biotin"
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Matches 19; Conservative
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0.7%; Score 18.4; DB 1; Length 21; 95.0%; Pred. No. 4.4e+02; tive 0; Mismatches 1; Indels
                                                Boekenkamp, D., Dieck, T.H. and Hoppe, H.U.
Method for sorting single-stranded nucleic acids
Patent: Wo 03072818-A 36 04-SEP-2003;
Degussa Bioactives GmbH (DE)
Location/Qualifiers
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Method for sorting single-stranded nucleic acids
Patent: Wo 03072818-A 37 04-SEP-2003;
Degussa Bioactives GmbH (DE)
Location/Qualifiers
                                                                                                                                           1. .21
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/noFe="Beschreibung der kuenstlichen
Sequenz:Capture-Oligonukleotid"
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/mod_base=OTHER
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                   other sequences; artificial sequences.
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synthetic construct
other sequences; artificial sequences.
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Sequence 37 from Patent WO03072818.
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   synthetic construct
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Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 35 04-SEP-2003;
Degussa Bloactives GmbH (DE)
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db xref="taxon:32630"
/nofe="Beschreibung der kuenstlichen
Sequenz:Capture-Oligonukleotid"
       /note="LNA-T (Locked Nucleic Acid)"
/mod_base=OTHER
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/mod_base=OTHER
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"mod_base=OTHER
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mod_base=OTHER
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'mod_base=OTHER
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/mod_base=OTHER
                                                                   Query Match 0.7%; Score 18.4; DB 1; Best Local Similarity 95.0%; Pred. No. 4.4e+02; Matches 19; Conservative 0; Mismatches 1;
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synthetic construct
other sequences; artificial sequences.
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Sequence 35 from Patent WO03072818.
AX825137
AX825137.1 GI:39750866
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PAT 11-DEC-2003

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linear

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Boekenkamp, D., Dieck, T.H. and Hoppe, H.U. Method for sorting single-stranded nucleic acids Patent: WO 03072818-A 46 04-SEP-2003; Degussa Bloactives GmbH (DE)
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/organism="synthetic construct"
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/db_xref="taxon:32650"
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Sequenz:Capture-Oligonukleotid"
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/mod_base=OTHER
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/mod_base=OTHER
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/mod_base=OTHER
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Pred. No. 4.4e+02;
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/mol_type="unassigned DNA"
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synthetic construct
other sequences; artificial sequences.
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Best Local Similarity 95.0%; Pred. No. 4.4e
Matches 19; Conservative 0; Mismatches
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Sequence 39 from Patent WO03072818.
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Sequence 46 from Patent WO03072818.
AX825148
AX825148.1 GI:39750877
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95.0%; Pred. No. 4.4e+02;
tive 0; Mismatches 1; Indels
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Method for sorting single-stranded nucleic acids
Patent: WO 03072918-A 38 04-SEP-2003;
Degussa Bioactives GmbH (DE)
Location/Qualifiers
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Sequenz:Capture-Oligonukleotid"
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                      /note="LNA-T (Locked Nucleic Acid)"
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/mod_base=OTHER
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/mod_base=OTHER
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other sequences; artificial sequences.
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Seguence 38 from Patent WO03072818.
AX825140
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Gaps

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Length 21;

PAT 11-DEC-2003

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Rummalia; Butheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.

1 (Dases 1 to 22)
Shimada,K.
Shimada,K.
Method of comparison and detection of RNA amount and DNA amount
Patent: JP 2001333800-A 1 04-DEC-2001;
UNITECH CO LTD
OS Homo sapiens (human)
PN JP 2001333800-A/1
PP 30-MAY-2000 JP 200160324
PP 30-MAY-2000 JP 200160324
PP KAORI SHIMADA
PO C12Q1/68,C12N15/09,G01N33/50,C12N15/00
CC Method of comparison and detection of RNA amount and DNA CC
                                                                                                                                                                                                                                                  BD085544 27-AUG-2002 ANA linear PAT 27-AUG-2002 Method of comparison and detection of RNA amount and DNA amount.
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/organism='Homo sapiens (human)'.
Location/Qualifiers
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synthetic construct
of ther sequences; artificial sequences.
1 (bases 1 to 23)
Hartwich, G. and Heller, A.
Pacthod of electrochemically detecting nucleic acid
Patent: JP 2002532386-A 16 02-0CT-2002;
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Method of electrochemically detecting nucleic acid.
BD245230
/note="LNA-T (Locked Nucleic Acid)"
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0.7%; Score 18.4; DB 1;
Best Local Similarity 95.0%; Pred. No. 4.5e+02;
Matches 19; Conservative 0; Mismatches 1;
                                                    Score 18.4; DB 1;
Pred. No. 4.4e+02;
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                                                                                         0; Mismatches

    .22
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/db_xref="taxon:9606"

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JP 2002532386-A/16
02-OCT-2002
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JP 2001333800-A/1.
Homo sapiens (human)
Homo sapiens
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JP 2002532386-A/16.
                                                    Query Match 0.7%;
Best Local Similarity 95.0%;
Matches 19; Conservative
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Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 47 04-SEP-2003;
Degussa Bioactives GmbH (DE)
Location/Qualifiers
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/mol type="unassigned DNA"
/db_xref="taxon:32630"
/note="Beschreibung der kuenstlichen
                    'note="Beschreibung der kuenstlichen
                                                                                                                                                                                                  /note="LNA-T (Locked Nucleic Acid)"
/mod_base=OTHER
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/mod_base=OTHER
18
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/mod_base=OTHER
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/mod_base=OTHER
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/mod_base=OTHER
                                                                                                      /note="LNA-T (Locked Nucleic Acid)"
(mod_base=OTHER
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/mod_base=OTHER
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/mod_base=OTHER
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/mod_base=OTHER
                                    Sequenz:Capture-Oligonukleotid"
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Sequence 47 from Patent WO03072818.
AX825149
AX825149.1 GI:39750878
 db xref="taxon:32630"
                                                                       'bound_moiety="Biotin"
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Matches 19; Conservative
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Length 22;

PAT 17-JUL-2003

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/organism="unknown"
/mol_type="unassigned DNA"
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Best Local Similarity
Matches 18; Conserv
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AR690508/c
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                                                                    PC GONN27/416, GOIN27/48, GOIN33/483, GOIN33/50, GOIN33/566, C12N15/00, PC GOIN27/46, CC Method of electrochemically detecting nucleic acid FH Key
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Unclassified.

1 (bases 1 to 19)

Croteau, R.Bruce., Lupien, S.Lee. and Karp, F.

Recombinant materials and methods for the production of limonene
PF 19-NOV-1999 JP 2000583928
PR 23-NOV-1998 DE 198 53 957.6,29-APR-1999 DE 199 21 940.0 PI
GERHARD HARTWICH,ADAM HELLER
PC C07H21/00,C07H21/02,C07H21/04,C12N15/09,C12Q1/68,G01N27/12,
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Unclassified.
1 (bases 1 to 19)
Croteau, R. Bruce., Lupien, S. Lee. and Karp, F.
Recombinant materials and methods for production of limonene
                                                                                                            Method of electrochemically detecting nucleic acid FH Location/Qualifiers
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Patent: US 6083731-A 18 04-JUL-2000;
Location/Qualifiers
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Location/Qualifiers
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AR102020
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 18 from patent US 6194185.
AR134802.1 GI:14123707
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AR134802/c
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Fischer,R., Kinoshita,T., Yadegari,R., Gehring,M., Okamuro,J. and
Dang,V.-D.
                                                                                                                                                                                                                                                                                                                     Unclassified.
Unclassified.
I (bases 1 to 19)
Brown, S.M., Elich, T.D., Heck, G.R., Kishore, G.M., Logusch, E.W.,
Logusch, S.J., Piller, K.J., Rao, S., Ream, J.E. and Baerson, S.R.
Methods for controlling gibberellin levels
Patent: US 6723897-A 85 20-APR-2004;
Monsanto Technology, LLC; St. Louis, MO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                      Gaps
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Pred. No. 4.2e+02;
1; Mismatches 0; Indels
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Score 18.2; DB 1;
Pred. No. 4.2e+02;
1; Mismatches 0;
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Best Local Similarity 94.7%; Pred. No. 4.2e+02;
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AR690508 GI:74473246
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Sequence 85 from patent US 6723897.
ARS28447
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/organism="unknown"
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/organism="unknown"
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0.7%;
ilarity 94.7%;
Conservative
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Best Local Similarity 94.7%;
Matches 18; Conservative
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Gaps

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PAT 29-SEP-1999

linear

E28098/c

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Unclassified.

1 (bases 1 to 18)
De Rose, R., Duval, M., Job, C. and Job, D.
Seed specific biotinylated protein, SBP65, from leguminous plants
Patent: US 5837820-A 3 17-NOV-1998;
Location/Qualifiers
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Unclassified.
Inclassified.
I (bases 1 to 18)
Lin,C.-I.Patsy., Wallace,R.Bruce., Cossman,J. and French,C.
Lin,C.-I.Patsy., Wallace,R.Bruce., Cossman,J. and French,C.
Method and formulation for lyophilizing cultured human cells to
preserve RNA and DNA contained in cells for use in molecular
biology experiments
biology experiments
Patent: US 6071145-A 9 06-JUN-2000;
Location/Qualifiers
                                                                                                                                          Unclassified.

1 (bases 1 to 18)

Chatelain,F. and Kumarev,V.

Process for preparing polynucleotides on a solid support in a tightly packed bed
Patent: US 5869643-A 18 09-FEB-1999;
Location/Qualifiers
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 9 from patent US 6071745.
AR097579
AR097579.1 GI:12806309
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/wol_type="unassigned DNA"
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Sequence 3 from patent US 5837820.
AR058305 GI:5983882
Sequence 18 from patent US 5869643.
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AR034899.1 GI:5950504
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AR097579/c
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PN JP 1999196874-A/9
PD 27-JUL-1999
PP 14-JAN-1998 JP 1998005399
PR 14-JAN-1998 JP 1998005399
PR HIDEKI KAMIBARA, SENSHU UEMATSU
PC C12N15/09, C1201/68, G01N27/447, C12N15/00, G01N27/26 CC
Strandedness: Single;
CC Topology: Linear;
FH Key Location/Qualifiers
FT source Location/ (organism="Unidentified").
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/organism='Unidentified'
Location/Qualifiers
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Hideki,K. and Senshu,U.
Method for analyzing DNA fragment
Patent: JP 1999196874-A 9 27-JUL-1999;
HITACHI LTD
OS Unidentified
PN JP 1999196874-A/9
PD 27-JUL-1999
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/organism="unknown"
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/mol_type="genomic DNA"
/db_xref="taxon:32644"
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Method for analyzing DNA fragment.
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Method of comparison and detection of RNA amount and DNA amount.
BD085545.1 GI:22631155
JP 2001333800-A/2.
Homo sapiens (human)
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
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Method of comparison and detection of RNA amount and DNA amount patents of comparison and detection of RNA amount and DNA amount batents of LTD

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30-MAY-2000 JP 2000160324
KAORI SHIMADA
C12Q1/68,C12N15/09,G01N33/50,C12N15/00
Method of comparison and detection of RNA amount and DNA
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Location/Qualifiers
                                             / Match 0.7%; Score 18; DB 1; Length 18; Local Similarity 100.0%; Pred. No. 4.2e+02; nes 18; Conservative 0; Mismatches 0; Indels
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S Keeling, P. and Guan, H.
Starch encapsulation
AL Patent: US 6107060-A 30 22-AUG-2000;
Location/Qualifiers
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/organism="unknown"
/wol_type="unassigned DNA"
/mol_type="unassigned DNA"
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/organism="Homo sapiens"
/mol_type="genomic RNA"
/db_xref="taxon:9606"
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Aminooxy-modified nucleoside compound and oligomer compound produced therefrom.
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C12N15/00
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unclassified sequences.

1 (Joseph J. Viazobukina, E., Mangosu, M.M. and Paniaku, M.A.
Min, G., Danha, M.J., Viazobukina, E., Mangosu, M.M. and Paniaku, M.A.
Min, G., Danha, M.J., Viazobukina, E., Mangosu, M.M. and Paniaku, M.A.
Pacent: JP 2005508634-A 1 07-APR-2005;
MCGILL UNIVERSITY
OS Artificial
PN JP 2005508634-A/1
PD 07-APR-2005
PF 29-OCT-2002 JP 2003540190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Artificial Sequence
JP 200252241-A/14
23-JUL-2005
09-AUG-1999 JP 2000563675
07-AUG-1998 US 09/130973
MUTHIAH MANOHARAN, PHILIP DAN COOK, THAZHA P PRAKASH, ANDREW M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Description of Artificial Sequence: antisense sequence FH Location/Qualifiers
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JP 20252247-A/14.

ByThteric construct

synthetic construct

other sequences; artificial sequences.

1 (bases I to 18)

Manoharan, M., Cock, P.D., Prakash, T.P. and Kawasaki, A.M.

Aminooxy-modified nucleoside compound and oligomer compound produced therefrom

Patent: JP 200252477-A 14 23-JUL-2002;
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Query Match 0.7%; Score 18; DB 1; Length 18; Best Local Similarity 100.0%; Pred. No. 4.2e+02; Matches 18; Conservative 0; Mismatches 0; Indels
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JP 2005508634-A/1.
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18 bp DNA linear PAT 18-JUN-2001
Method for labeling oligonucleotide and utilization thereof.
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unclassified sequences.
unclassified sequences.
Kenichi, H., Hiroshi, Y. and Masahide, N.
Kenichi, H., Hiroshi, Y. and Masahide, N.
Method for labeling oligonucleotide and utilization thereof
Patent: JP 1999075880-A 3 13-MAR-1999;
CHEMO SERO THERAPEUT RES INST
OS Unidentified
PD 23-MAR-1999
PF 10-JUL-1998 JP 1998195719
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PN JP 199975880-A/3
PD 23-MAR-1999
PF 10-JUL-1998 JP 1998195719
PR KENICHI HANAKI, HIROSHI YOSHIKURA, MASAHIDE NOZAKI PC C12N15/09, C12Q1/66,G01N33/58,C12N15/00
CC Strandedness: Single,
CC Topology: Linear;
FH Key
I source
| Location/Qualifiers
| Location/Qualified'.
                                                                                 OS Unidentified
PN JP 1999075880-A/2
PD 23-MAR-1999
PF 10-JUL-1998 JP 1998195719
PR KENICHI HANAKI, HIROSHI YOSHIKURA, MASAHIDE NOZAKI PC C12N15/09, C12Q1/68,G01N33/58,C12N15/00
CC Strandedness: Single;
CC Topology: Linear;
FH Key Location/Qualifiers
FT source /organism='Unidentified'.
           Kenichi, H., Hiroshi, Y. and Masahide, N.
Method for labeling oligonucleotide and utilization thereof
Patent: JP 1999075880-A 2 23-MAR-1999;
CHEMO SERO THERENEUT RES INST
OS Unidentified
PD 23-MAR-1999
PD 23-MAR-1998
PD 10-JUL-1998 JP 1998195719
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(bases 1 to 18)
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Unidentified unidentified
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ACYCLIC LINKER-CONTAINING OLIGONUCLEOTIDES AND USES THEREOF.
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1 (bases 1 to 18)

Min,G., Danha,M.J., Viazobukina,E., Mangosu,M.M. and Paniaku,M.A.

ACYCLIC LINKER-CONTAINING OLIGONUCLEOTIDES AND USES THEREOF

PATENT: JP 2005508634-A 27 07-APR-2005;
29-OCT-2001 US 60/330719
gyon-ryumu min,masado j danha,ekaterina viazobukina,maria m
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Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 18; Conservative 0; Mismatches 0;
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    .18
/organism="unidentified"
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    .18
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JP 2005508634-A/27
JP 20055085
29-OCT--2002 JP 2003540190
29-OCT--2001 US 60/33071
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                    mangosu,
michael a paniaku
Oligonucleotide
Key
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JP 2005508634-A/27.
unidentified
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Matches 18; Conservative
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                                                                                                                      Unclassified.

Unclassified.

Li (bases 1 to 18)

Lin,C.-I.P., Wallaton for lyophilizing cultured human cells to preserve RNA and DNA contained in cells for use in molecular biology experiments

Patent: US 641031-A 9 25-JUN-2002;

Bio-Rad Laboratories, Inc.; Hercules, CA

Location/Qualifiers
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Kurz,M., Lohse,P. and Wagner,R.
Peptide acceptor ligation methods
Patent: US 6429300-A 24 06-AUG-2002;
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Matches 18; Conservative 0; Mismatches
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Sequence 24 from patent US 6429300.
AR222464.1 GI:23329995
                                     AR215435 18 bp
Sequence 9 from patent US 6410321.
AR215435.1 GI:23313691
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1 (bases 1 to 18)
Kato, K.
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Manoharan, M., Cook, P.D., Prakash, T.P. and Kawasaki, A.M.
Aminooxy-modified nucleosidic compounds and oligomeric compounds
Prepared therefrom
Patent: US 663962-A 14 28-OCT-2003;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
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Lin,C.-I.P., Wallace,R.B., Cossman,J. and French,C.
Lin,C.-I.P., Wallace,R.B., Cossman,J. and French,C.
Method and formulation for lyophilizing cultured human cells to preserve RNA and DNA contained in cells for use in molecular biology experiments
Patent: US 6686460-A 9 03-FEB-2004;
Bio-Rad Laboratories, Inc.; Hercules, CA
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Molecular indexing for expressed gene analysis Patent: US 5707807-A 16 13-JAN-1998; Location/Qualifiers
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0.7%; Score 18; DB 1; L.
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 18; Conservative 0; Mismatches 0;
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Sequence 14 from patent US 6639062.
AR412363
                                                                                   /organism="unknown"
/wol_type="unassigned DNA"
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Sequence 9 from patent US 6686460.
AR473365.1 GI:42708816
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/organism="unknown"
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PAT 15-DEC-2004

DEFINITION

RESULT 58 AR487019

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ACCESSION VERSION

ORGANISM

KEYWORDS SOURCE

AUTHORS

TITLE

JOURNAL

FEATURES

REFERENCE

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Unclassified.

1 (bases 1 to 18)

Brugliera,F., Holton,T.A. and Michael,M.Z.

Nucleic acid sequences encoding flavonoid 3'-hydroxylase and methods of altering flower color therewith

Patent: US 6774285-A 27 10-AUG-2004;

Florigene Limited; Collingwood;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 (bases 1 to 18)
Chatelain, F. and Kumarev, V.
Chatelain, F. and Kumarev, V.
Apparatus for preparing polynucleotides on a solid support
Patent: US 682339-A 12 30-NOV-2004;
Proligo, LLC; Boulder, CO
Location/Qualifiers
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0.7%; Score 18; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 18; Conservative 0; Mismatches 0; Indels
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Stanton, L.W. and White, R.T.
Secreted factors
Patent: US 6800455-A 84 05-OCT-2004;
Scios Inc.; Sunnyvale, CA
Location/Qualifiers
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Sequence 12 from patent US 6825339.
AR612296
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Sequence 84 from patent US 6800455.
AR585363
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/mol_type="genomic DNA"
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Process for amplifying and labeling single stranded cDNA by 5'
ligated adaptor mediated amplification
Patent: US 6706476-A 7 16-MAR-2004;
Azign Bioscience A/S; Copenhagen;
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Thirstrup, K., Warthoe, P. and Pettersson, N.B.
Process for amplifying and labeling single stranded cDNA by
ligated adaptor mediated amplification
Patent: US 6706476-A 6 16-MAR-2004;
Azign Bioscience A/S; Copenhagen;
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Sequence 27 from patent US 6774285.
AR576394.1 GI:56578461
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Sequence 6 from patent US 6706476.
AR487019
AR487019.1 GI:47251966
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Sequence 7 from patent US 6706476.
AR487020 GI:47251967
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/organism="unknown"
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AR487020/c DEFINITION

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RESULT 583

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RESULT 584 AR576394/c LOCUS DEFINITION

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ACCESSION VERSION KEYWORDS

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Damha, M.J., Parniak, M.A., Wilds, C., Arion, D., Noronha, A.M. and
     AX004875.1 GI:9928275
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Protein having hemolypic activity and gene encoding the protein
Patent: US 6855803-A 7 15-FEB-2005;
Suntory Limited; Osaka;
                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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Chatelain, F. and Kumarev, V.
Apparatus for preparing polynucleotides on a solid support
Patent: 105 (825339-A 18 30-NOV-2004;
Proligo, LLC; Boulder, CO
Location/Qualifiers
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Sequence 18 from patent US 6825339.
AR612299
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Seguence 7 from patent US 6855803.
AR637194 GI:62770682
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Sequence 4 from Patent WO9910527
AX004875
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                                      Bayer, E. and Schewitz, J.
Method for isolating anionic organic substances from aqueous systems using cationic polymer nanoparticles
Patent: WO 9910527-A 4 04-MAR-1999;
SUEDDEUTSCHE KALKSTICKSTOFF (DE); BAYER ERNST (DE)
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Method for isolating anionic organic substances from aqueous systems using cationic polymer nanoparticles
systems using cationic polymer. nanoparticles
Patent: WO 9910277.A 8 04-WAR-1999;
SUEDDEUTSCHE KALKSTICKSTOFF (DE); BAYER ERNST (DE)
Location/Qualifiers
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/organism="synthetic construct"
/or_Lype="unassigned RNA"
/db_xref="taxon:32630"
/noTe="2' methyl-modified oligonucleotide"
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db xref="taxon:32630"
/note="3' palmityl oligonucleotide"
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100.0%; Pred. No. 4.2e+02;
ative 0; Mismatches 0;
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100.0%; Pred. No. 4.2e+02;
tive 0; Mismatches 0;
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Sequence 8 from Patent WO9910527.
AX004879
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Sequence 2 from Patent W09967378
AX008117
AX008117.1 GI:9995742
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Patent: WO 9967378-A 7 29-DEC-1999;
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Best Local Similarity 100.
Matches 18; Conservative
                                              BORKOW GADI (IL)
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AX028843/c
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         Antisense oligonucleotide constructs based on beta -arabinofuranose and its analogues
Patent: WO 9967378-A 2 29-DEC-1999;
DAWHA MASSAD JOSE (CA); PARNIAK MICHAEL A (CA); WILDS CHRISTOPHER
GCA); UNIV MCGILL (CA); ARION DOMINIQUE (CA); NORONHA ANNE M (CA);
BORKOW GADI (IL)
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Antisense oligonucleotide constructs based on beta -arabinofuranose
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DAWHA MASSAD JOSE (CA); PARNIAK MICHAEL A (CA); WILDS CHRISTOPHER (CA); UNIV MCGILL (CA); ARION DOMINIQUE (CA); NORONHA ANNE M (CA); BORKOW GADI (IL)
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100.0%; Pred. No. 4.2e+02;
rative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 18; Conservative 0; Mismatches 0;

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/organism="synthetic construct"

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/db_xref="taxon:32630"
/note="Use as an oligomer"
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/noTe="Use as an oligomer"
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Sequence 7 from Patent W09967378.
AX008122
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AX008118/c
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Patent: WO 9967378-A 8 29-DEC-1999;
DAWHA MASSAD JOSE (CA); PARNIAK MICHAEL A (CA); WILDS CHRISTOPHER (CA); UNIV MCGILL (CA); ARION DOMINIQUE (CA); NORONHA ANNE M (CA);
BORKOW GADI (IL)
Location/Qualifiers
DAMHA MASSAD JOSE (CA); PARNIAK MICHAEL A (CA); WILDS CHRISTOPHER (CA); UNIV MCGILL (CA); ARION DOMINIQUE (CA); NORONHA ANNE M (CA);
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FLORIGENE LIMITED (AU); BRUGLIERA FILIPPA (AU); HOLTON TIMOTHY
ALBERT (AU); MICHAEL MICHAEL ZENON (AU)
LOCATION/QUALITIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Damha, M.J., Parniak, M.A., Wilds, C., Arion, D., Noronha, A.M. and
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Genetic sequences encoding flavonoid pathway enzymes and uses
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Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 18; Conservative 0; Mismatches 0;
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100.0%; Pred. No. 4.2e+02;
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/mol_type="unassigned DNA"
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/note="Use as an oligomer"
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/db_xref="taxon:32630"
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Sequence 27 from Patent WO9732023.
AX028843
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Sequence 8 from Patent WO9967378.
AX008123
                                                                             Location/Qualifiers
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Immunostimulatory nucleic acids
Patent: WO 0122972-A 939 05-APR-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US) ; Coley Pharmaceutical
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immunostimulacory nucleic acids
Patent: WO 0122972-A 913 05-ARR-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US); Coley Pharmaceutical
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100.0%; Pred. No. 4.2e+02;
Attive 0; Mismatches 0; Indels
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    .18
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Sequence 939 from Patent WO0122972.
AXI04747
AXI04747.1 GI:13920944
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Sequence 913 from Patent WO0122972.
AX104721
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AX105651/c
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AX104721/c
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High density labeling of dna with modified or chromophore carrying nucleotides and dna polymerases used

Patent: WO 006422-A 21 16-NOV-2000;

Roche Diagnostics GmbH (DE)

Location/Qualifiers
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Gumblowski, K. and Zulauf, M.
High density labeling of dna with modified or chromophore carrying nucleotides and dna polymerases used
Patent: WO 006842-A 23 16-NOV-2000;
Roche Diagnostics GmbH (DE)
Location/Qualifiers
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1..18
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Sequence 21 from Patent W00068422.
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Sequence 23 from Patent W00068422.
AX047273 GI:11876553
                                                                            /note="Oligonucleotide"
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synthetic construct
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Query Match

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DEFINITION ACCESSION VERSION KEYWORDS

AX047273/c

LOCUS

RESULT 597

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REFERENCE AUTHORS

Gaps

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DEFINITION ACCESSION

VERSION KEYWORDS

ORGANISM

SOURCE

REFERENCE AUTHORS

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PAT 06-FEB-2002
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                                   1..18
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                                                                                                                                                                                                                                                                                                                                           linear
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100.0%; Pred. No. 4.2e+02;
tive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Patent: WO 0197843-A 837 27-DEC-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US)
Location/Qualifiers
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0.7%; Score 18; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 18; Conservative 0; Mismatches 0;
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Seguence 913 from Patent W002053141.
AX547774
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AX355809/c
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AX547774/c
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tive 0; Mismatches 0;
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/mol_type="unassigned DNA"
/db_xref="texon:32630"
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other sequences; artificial sequences.
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Patent: WO 0123564-A 10 05-APR-2001;
Scios Inc. (US)
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Differentially expressed genes
Patent: WO 0123419-A 10 05-APR-2001;
SCIOS INC. (US)
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Secreted factors
Patent: WO 0174901-A 84 11-OCT-2001;
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Sequence 10 from Patent WO0123419.
AX108642
AX108642.1 GI:13923875
Sequence 10 from Patent W00123564.
AX105651
AX105651.1 GI:13921674
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Sequence 84 from Patent W00174901.
AX268883
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Matches 18; Conserv
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DEFINITION ACCESSION VERSION

RESULT 601 AX108642/c

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KEYWORDS SOURCE ORGANISM

TITLE JOURNAL

FEATURES

REFERENCE AUTHORS

AX268883/c DEFINITION

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PAT 01-MAR-2003

RESULT 605 AX547800/c

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Damha,M.J. and Parniak,M.A.
Oligonuclectides comprising alternating segments and uses thereof
Patent: WO 03064441-A 8 07-AUG-2003;
McGILL UNIVERSITY (CA)
Location/Qualifiers
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Digonucleotides comprising alternating segments and uses thereof
Patent: WO 0306441.A 9 07-AUG-2003;
MCGILL UNIVERSITY (CA)
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/note="Residues 1, 3, 5, 7, 9, 11, 13, 15 and 17 are
2'-0-methyl-D-uridi ne"
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Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 18; Conservative 0; Mismatches 0; Indels
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/note="Residues 1-3, 7-9, and 13-15 are
2'-0-methyl-D-uridine"
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="teaxon:32630"
/noTe="Oligonucleotide"
                                                                                                                                                                                                                                                        /organism="synthetic construct"
/mol_type="unassigned DNA"
/mb_txref="taxon:32630"
/note="Oligonucleotide"
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Sequence 10 from Patent WO03064441.
AX814725
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Sequence 9 from Patent WO03064441.
Sequence 8 from Patent WO03064441.
AX814723
AX814723.1 GI:39103922
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Inhibition of angiogenesis by nucleic acids
Patent: WO 02053141-A 399 11-JUL-2002;
Coley Pharmaceutical Group, Inc. (US)
Location/Qualifiers
1. .18
/organism="synthetic construct"
/mol type="unassigned DNA"
/db_xref="taxon:32630"
/note="Synthetic Sequence"
     Pred. No. 4.2e+02; 
; Mismatches 0;
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/mol_type="unassigned DNA"
/db_xref="taxon.32630"
/noTe="Oligonucleotide"
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Sequence 1 from Patent WO03064411.
AX814716
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     Best Local Similarity 100.
Matches 18; Conservative
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Location/Qualifiers
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AR432617/c
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Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnollophyta, eudicotyledons, core eudicotyledons,
asterids, lamiids, Solanales, Solanaceae, Nicotiana,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Oligonuclectides comprising alternating segments and uses thereof Patent: WO 03064441-A 21 07-AUG-2003; McGILL UNIVERSITY (CA)
                                           Damha,M.J. and Parniak,M.A.
Oligonucleotides comprising alternating segments and uses thereof
Patent: WO 03064441-A 10 07-AUG-2003;
McGILL UNIVERSITY (CA)
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/note="Residues 1-6 and 13-18 are 2'-O-methyl-D-uridine"
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0.7%; Score 18; DB 1; Length 18; Best Local Similarity 100.0%; Pred. No. 4.2e+02; Matches 18; Conservative 0; Mismatches 0; Indels
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Patent: WO 2005111217-A 2260 24-NOV-2005;
U.S. Smokeless Tobacco Company (US)
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/db_xref="taxon:32630"
/note="Target RNA oligonucleotide"
                                                                                                                          // Organism="synthetic construct"
/mol type="unassigned DNA"
/db_xref="taxon:32630"
/note="Oligonucleotide"
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synthetic construct
other sequences; artificial sequences.
              other sequences; artificial sequences.
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                                                                                                             Location/Qualifiers
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Patent: US 6946251-A 22 20-SEP-2005;
NuGEN Technologies, Inc.; San Carlos, CA
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 18; Conservative 0; Mismatches 0;
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1 (bases 1 to 19)
Manoharan,M., Cook,P.D. and Guinosso,C.J.
Modified oligonucleotides
Patent: US 6653458-A 7 25-NOV-2003;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                         DNA
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1. .19
/organism="Nicotiana tabacum"
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Sequence 22 from patent US 6946251.
AR720125
                                      /mol_type="unassigned DNA"
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                                                                                                     /note="n = a, t, c, or g"
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Sequence 7 from patent US 6653458.
AR432617
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C12N15/09,C07K1/04,C07K14/78,C07K16/46,C07K17/00,C07K19/00, PC
C12P21/02,
                                                                     BD234126 20 bp DNA linear PAT 17-JUL-2003 Protein skeleton of antibody mimetics and other binding proteins.
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Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 25 04-SEP-2003;
Degussa Bioactives GmbH (DE)
Location/Qualifiers
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BD234126.1 GI:33043896
JP 2002532072-A/14.
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cother sequences; artificial sequences.
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Key Location/Qualifiers
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/mol_type="genomic DNA"
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02-0CT-2002
09-DEC-1999 JP 2000587187
10-DEC-1999 US 60/111737
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/mod_base=OTHER /note="LNA-T (Locked Nucleic Acid)" /mod_base=OTHER DNA other sequences; artificial sequences. 21 bp | Sequence 26 from Patent WO03072818. 'bound_moiety="Biotin" Location/Qualifiers 2709 AAAAAAAAAAAAAAA 2726

RESULT 617 AX825129/c LOCUS

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SOURCE ORGANISM

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Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 41 04 SEP-2003;
Degussa Bioactives GmbH (DE)
                   /mol_type="unassigned DNA"
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Sequenz:Capture-Oligonukleotid"
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Sequence 41 from Patent WO03072818.
AX825143
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0.7%; Score 18; DB 1; Length 21;
100.0%; Pred. No. 4.7e+02;
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Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 44 04-SEP-2003;
Degussa Bloactives GmbH (DE)
                                                                Boekenkamp, D., Dieck, T.H. and Hoppe, H.U.
Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 43 04-SEP-2003;
Degussa Bicactives GmbH (DE)
Location/Qualifiers
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|noTe="Beschreibung der kuenstlichen
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/mod_base=OTHER
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Sequence 44 from Patent W003072818.
AX825146.
AX825146.1 GI:39750875
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Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 18; Conservative 0; Mismatches 0; Indels
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Method for sorting single-stranded nucleic acids
Patent: WO 03072818-A 4 04-SEP-2003;
Degussa Bicactives GmbH (DE)
Location/Qualifiers
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/mol type="unassigned DNA"
/db xref="taxon:32630"
/note="Baschreibung der kuenstlichen
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Sequence 42 from Patent WO03072818.
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Sequence 43 from Patent WO03072818.
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AX825145.1 GI:39750874
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Unclassfiled.
1 (bases 1 to 22)
Torrence, P., Silverman, R., Maitra, R. and Lesiak, K.
Torrence of cleaving specific strands of RNA
Method of cleaving specific strands of RNA
Patent: US 5583032-A 2 10-DEC-1996;
Locaion/Qualifiers
                                                                                                                                                                                                                      Unclassified.

1 (bases 1 to 22)

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1 (bases 3 to 22)

Method of cleaving specific strands of RNA patent: US 5583032-A 1 10-DEC-1996;
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Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 18; Conservative 0; Mismatches 0;
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Sequence 1 from patent US 5677289.
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169407.1 GI:2831529
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Sequence 1 from patent US 5583032.
131810
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Sequence 2 from patent US 5583032.
131811
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  Matches
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Unclassified.
I (bases)
Torrence, P.F., Silverman, R.H., Maitra, R.K. and Lesiak, K.
Chimeric molecules targeted to viral RNAs
Patent: US 6271369-A 2 07-AUG-2001;
Location/Qualifiers
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Torrence, P.F., Silverman, R.H., Maitra, R.K. and Lesiak, K. Chimeric molecules targeted to viral RNAs Patent: US 6271369-A 1 07-AUG-2001;
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Sequence 1 from patent US 6271369.
AR164318 GI:16235432
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Sequence 2 from patent US 6271369.
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                                          /note="LNA-T (Locked
/mod_base=OTHER
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WO 0222683-A/2.
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1 (bases 1 to 22)
Torrence,P., Silverman,R., Maitra,R. and Lesiak,K.
Method of cleaving specific strands of RNA and medical treatments
                                                                                                                                                                                                                                                                                                                                                                                                      Unclassified.
I (bases 1 to 22)
Torrence P. Silverman,R., Maitra,R. and Lesiak,K.
Method of cleaving specific strands of RNA and medical treatments
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 22;
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Method for the detection of cytosine methylations
Patent: WO 0231186-A 21 18-APR-2002;
Epigenomics AG (DE)
Location/Qualifiers
                                                                                                                                          Query Match 0.7%; Score 18; DB 1; Length 22; Best Local Similarity 100.0%; Pred. No. 4.8e+02; Matches 18; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                      linear
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0.7%; Score 18; DB 1; Length 22;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 18; Conservative 0; Mismatches 0; Indels
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                                                                                     1. .22
/organism="unknown"
/mol_type="unassigned DNA"
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/organism="unknown"
/mol_type="unassigned DNA"
                                                     Patent: US 5677289-A 1 14-OCT-1997;
Location/Qualifiers
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Sequence 2 from patent US 5677289.
169408
169408.1 GI:2831530
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Sequence 21 from Patent WO0231186.
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DNA linear PAT 18-SEP-2002 Novel dendritic cell membrane molecule and use thereof. BD142333
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Emich T and Leying, H.
PETHON OF DETECTIVE TELOMERASE ACTIVITY
BATEND OF 9722069-A 6 05-JUN-1997;
BOEHRINGER MANNHEIM GMBH (DE); EMRICH THOMAS (DE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
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Unclassified.
3 I (bases 1 to 19)
5 Emrich.T., Leying.H., Hinzpeter,M. and Karl,G.
Method of detecting telomerase activity
L Patent: US 6221584-A 6 24-APR-2001;
Location/Qualifiers
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0.6%; Score 17.6; DB 1;
Best Local Similarity 94.4%; Pred. No. 4.7e+02;
Matches 17; Conservative 1; Mismatches 0;
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    .19
/organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"

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/mol_type="unassigned DNA"
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Sequence 6 from patent US 6221584.
AR147331
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Sequence 6 from Patent WO9720069.
A79657
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2705 TACTAAAAAAAAAAAAA 2725
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Pred. No. 5e+02;

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AR371268
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Patent: WO 0222683-A 3 21-MAR-2002;
KIRIN BEREMEY CO LTD, HIROSHI WATARAL, YASUNORI YAMAGUCHI, ATSUSHI
HINOHARA, RYUSUKE NAKAGAWA, HIROMI EHARA, NAOSHI IWAI
OS Artificial Sequence
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12-SEP-2000 JP 00P 277352
HIROSHI WATARAI, YASUNORI YAMAGUCHI, ATSUSHI HINOHARA, RYUSUKE
NAKAGAWA,
                                                                                  Imai,N.

Novel dendritic cell membrane molecule and use thereof Patent: WO 0222683-A 21-MAZ-2002.

KIRIN BREWERY CO LTD, HIROSHI WATARA, YASUNORI YAMAGUCHI, ATSUSHI HINOHARA, RYUSUKE NAKAGAWA, HIROMI EHARA, NAOSHI IMAI

HINOHARA, RYUSUKE NAKAGAWA, HIROMI EHARA, NAOSHI IMAI

SA Artificial Sequence
PN WO 0222683-A/2
PD 21-MAR-2002
PP 12-SEP-2001 WO 2001JP007919
PR 12-SEP-2000 JP 00P 277352
PR 12-SEP-2000 JP 00P 277352
PR HIROSHI WATARAI, YASUNORI YAMAGUCHI, ATSUSHI HINOHARA, RYUSUKE
PI NAKAGAWA,
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WO 0222683-A/3.
synthetic construct
synthetic construct
other sequences; artificial sequences.
1 (bases 1 to 20)
Watarai,H., Yamaguchi,Y., Hinohara,A., Nakagawa,R., Ehara,H. and
                           1 (bases 1 to 20)
Watarai,H., Yamaguchi,Y., Hinohara,A., Nakagawa,R., Ehara,H. and
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PN WO 02225C.

PN WO 02225C.

PN 12-SEP-2001 WO 2001JPUC.

PR 12-SEP-2001 WO 2001JPUC.

PR 12-SEP-2001 WO 2001JPUC.

PI HIROSHI WATARAI, YASUNORI YAMAGUCHI, ALC.

PI HIROSHI EHRA, NAOSHI IMAI

PC CO7K14/47, C12N15/12, C07K16/18, C12N5/08, G01N33/53 CC

DESCRIPTION OF Artificial Sequence: antisense primer FH Ke
Location/Qualifiers

COINCE COT CONTROL OF ARTIFICIAL Sequence.

Acource Correct Control C
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PN WO 0222663-A/2
PD 21-MAR-2002
PF 12-SEP-2001 WO 2001JP007919
PR 12-SEP-2000 JP 00P 277352
PI HIROSHI WATARAI, YASUNORI YAMAGUCHI, ATSUSHI HINOHARA,
PI HIROMI EHARA, NAOSHI IMAI
PC COTRIA/47, C12N15/12, C07K16/18, C12N5/08, G01N33/53 CC
Description of Artificial Sequence: sense primer FH Key
Location/Qualifiers
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
          sequences; artificial sequences,
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0.6%; Score 17.4; DB 1; Length 20;

Best Local Similarity 94.7%; Pred. No. 5e+02;

Matches 18; Conservative 0; Mismatches 1; Indels
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Buchardt,O., Egholm,M., Nielsen,P.E. and Berg,R.H.
epeptide nucleic acids
Patent: US 6395474-A 4 28-MAY-2002;
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                      Indels
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                      1;
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    .20
    forganism="synthetic construct"
|mol type="genomic DNA"
|db_xref="taxon:32630"

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                                                                                                                                                                                                                                                                                                                 other sequences; artificial sequences.
1 (bases 1 to 20)
Hirose,K. and Yoshida,T.
Method for purifying oligonucleotide
Patent: JP 2000342265-A 9 12-DEC-2000;
TOAGOSEI CHEM IND CO LTD
                                                                                                                                                                                       E59328 20 bp DNA
Method for purifying oligonucleotide.
E59328
E59328.1 GI:18622505
94.7%; Pred. No.
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6395474.
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C12N15/09, B01D15/08, C12N15/00
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/wol_type="genomic DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                           Artificial Sequence
JP 2000342265-A/9
12-DEC-2000
02-JUN-1999 JP 1999154974
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                                                         2094 ACCCCGTGCTGCAGCAGCA 2112
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AR371268
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synthetic construct
synthetic construct
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PAT 17-0CT-2001

KEYWORDS SOURCE ORGANISM

ACCESSION VERSION

RESULT 636 AR489489 DEFINITION

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source

TITLE JOURNAL FEATURES

REFERENCE AUTHORS

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(bases 1 to 19)
Weinstein,J.N. and Buolamwini,J.
Restriction display (RD-PCR) of differentially expressed mRNAs Patent: US 6201956-A 1 07-AUG-2001;
Location/Qualifiers

    .19
/organism='Artificial sequences'.

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                                                                                               Length 21;
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                                                                                               Query Match 0.6%; Score 17.4; DB 1; Best Local Similarity 94.7%; Pred. No. 5.2e+02; Matches 18; Conservative 0; Mismatches 1;
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1 (bases 1 to 19)
1 (bases 1 to 19)
2 Takagi,S. and Kamioka,S.
DETERMINATION OF CDNA
Patent: JP 1994303997-A 2 01-NOV-1994;
NIPPON TELEGR & TELEPH CORP <NTT>
OS
OC Artificial sequences.
PN JP 1994303997-A/2
PP 16-APR-1994
PF 16-APR-1994
PF 16-APR-1994
PF 16-APR-1995
PF 17AKAGI SHIGERU, KAMIOKA SUKEYUKI
PC C12Q1/68,C12N15/10;
CC topology: Linear;
CC topology: Linear;
CC topology: Linear;
CC anti-sense: Yes;
Location/Qualifiers
FH Key
FT source /organism='Artificia
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/organism="unknown"
/mol_type="unassigned DNA"
Patent: US 5989914-A 6 23-NOV-1999;
Location/Qualifiers
                                                                  /mol_type="unassigned DNA"
                                                                                                                                                                                                                                                                                Sequence 1 from patent US 6270966.
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Reverse transcription primer.
E08331
                                                /organism="unknown"
                                                                                                                                                                  275 ATTGAGGAATTTGGGGAGG 293
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JP 1994303997-A/2.
unidentified
unidentified
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Best Local Similarity 94.4
Matches 17; Conservative
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KEYWORDS
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AR163080
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ACCESSION
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Gagne,M., Sirard,M.-A. and Pothier,F.
Integration cassette for improvement of transgenesis in eukaryotes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 (bases 1 to 20)
Buchardt,O., Buchardt,D., Egholm,M., Nielsen,P.E. and Berg,R.H.
Synthetic procedures for peptidé nucleic acids
Patent: US 6713602-A 4 30-WAR-2004;
Location/Qualifiers
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0.6%; Score 17.4; DB 1; Length 20;
Best Local Similarity 94.7%; Pred. No. 5e+02;
Matches 18; Conservative 0; Mismatches 1; Indels
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Buchardt, O., Egholm, M., Nielsen, P.E. and Berg, R.H.
Peptide nucleic acid synthons
Patent: US 6710163-A 4 23-MAR-2004;
Location/Qualifiers
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Sequence 6 from patent US 5989914.
AR088657
AR088657.1 GI:10015421
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Sequence 4 from patent US 6713602.
AR491100
AR491100.1 GI:47258960
                                                                                            20 bp
Sequence 4 from patent US 6710163.
AR489489
AR489489.1 GI:47256514
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/wol_type="genomic DNA"

    .20
    /organism="unknown"
    /mol_type="genomic DNA"

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                 1 AAAAAAAAAAAAAA 19
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Unclassified.
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Unclassified.
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Unclassified.
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KEYWORDS SOURCE ORGANISM

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RESULT 637

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AR491100

source

AUTHORS TITLE

REFERENCE

JOURNAL

FEATURES

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REFERENCE AUTHORS TITLE

AR088657/c DEFINITION

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KEYWORDS

RESULT 638

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PAT 29-SEP-1997

source

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ACCESSION VERSION KEYWORDS SOURCE ORGANISM

AUTHORS TITLE JOURNAL

COMMENT

REFERENCE

DEFINITION

RESULT 641

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synthetic construct synthetic construct construct other sequences. I (bases 1 to 17)
Holton, T.A., Cornish, E.C., Kovacic, F., Tanaka, Y. and Lester, D.R. Genetic sequences encoding flavonoid pathway enzymes and uses
                                                                                                                                                                                                                                                    10.21
/organism='Artificial sequences'.
Location/Qualifiers
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100.0%; Pred. No. 4.8e+02;
ive 0; Mismatches 0; Indels
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INTERNATIONAL FLOWER DEVELOPMENTS Pty. Ltd
Location/Qualifiers
Patent: JP 1994303997-A 4 01-NOV-1994;

NIPPON TELEGR & TELEPH CORP «NTT»

C Artificial sequences.

PN JP 1994303997-A/4

PD 01-NOV-1994

PF 10-APR-1993 JP 1993112515

PI TAKAGI SHIGERU, KAMIOKA SUKEYUKI

C C 1202/168,C12N15/10;

CC strandedness: Single;

CC topology: Linear;

CC anti-sense: Yes;

CC anti-sense: Yes;

FH Key

I Source

//organism='Artificial

//organism='Artificial

//organism='Artificial
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primer sequence 4 from patent EP0522880.
A28997
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                                                                                                                                                                                                                        Location/Qualifiers
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Seguence 132 from patent US 6093809.
AR104585
                                                                                                                                                                                                                                                                                                                      organism="unidentified"
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Best Local Similarity 100.
Matches 17; Conservative
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ACCESSION
VERSION
KEYWORDS
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AR104585/c
LOCUS
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ORGANISM
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ORGANISM
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TITLE
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VERSION
KEYWORDS
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                                      COMMENT
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                                                                                                 Query Match 0.6%; Score 17.2; DB 1; Length 19; Best Local Similarity 94.4%; Pred. No. 5e+02; Matches 17; Conservative 1; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Artificial sequences.
JP 1994303997-A/3
01-NOV-1994
16-APR-1993 JP 1993112515
TAKAGI SHIGERU, KAMIOKA SUKEYUKI
C12Q1/68,C12N15/10;
strandedness: Single;
                                                                                                                                                                                                                                                                                       DNA
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Takagi,S. and Kamioka,S.
DETERMINATION OF CDNA
Patent: JP 1994303997-A 3 01-NOV-1994;
NIPPON TELEGR & TELEPH CORP <NTT>
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    20
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/db_xref="taxon:32644"
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E08332
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E08333
E08333.1 GI:2176450
   Location/Qualifiers
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Takagi,S. and Kamioka,S.
DETERMINATION OF CDNA
                                                                                                                                                                                                                                                                                                                                                                                        unidentified unclassified sequences.
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unidentified
unclassified sequences.
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hypothetical: No;
anti-sense: Yes;
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JP 1994303997-A/3.
unidentified
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RESULT 642 E08333/c

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1 AAAAAAAAAAAAAAA 17
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Manoharan, M. and Maier, M.A.
Compounds, processes and intermediates for synthesis of mixed
backbone oligomeric compounds
Patent: US 6207819-A 5 27-MAR-2001;
Location/Qualifiers
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Cech T.R. and Nakamura, T.
Telomerase
Patent: US 6309867-A 132 30-OCT-2001;
Location/Qualifiers
1 (bases 1 to 17)
Cech,T.R. and Lingner,J.
Tellomerase
Patent: US 6093809-A 132 25-JUL-2000;
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Sequence 132 from patent US 6309867.
AR175846.1 GI:17917145
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Sequence 5 from patent US 6207819.
AR141074.
AR141074.1 GI:14483570
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AR141074/c
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AR175846/c
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RESULT 649

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17 bp DNA linear PAT 23-NOV-2005

DEFINITION ACYCLIC LINKER-CONTAINING OLIGONUCLEOTIDES AND USES THEREOF.
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7. coganism="synthetic construct"

/mol type="unassigned DNA"

/db_xref="taxon:32630"

/note="Description of Artificial Sequence: Anneal Primer"
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                                                                                                                                                                                                                         Krieg, A.M.
Immunostimulatory nucleic acids for inducing il-10 responses
Patent: WO 2005111057-A 43 24-NOV-2005;
Coley Pharmaceutical GmbH (DE); Coley Pharmaceutical Group, Inc. (US)
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/mol type="unassigned DNA"
/mole="synthetic oligonucleotide"
/note="Synthetic oligonucleotide"
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/note="where the linkages between bases are
phosphorothioate linkages"
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Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 17; Conservative 0; Mismatches 0; Indels
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CS223644 17 bp DNA Sequence 43 from Patent WO2005111057.
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Sequence 16 from Patent EP1624059.
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AR236087.1 GI:27279786
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AR592720/c
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                                                                                 Min,G., Danha,M.J., Viazobukina,E., Mangosu,M.M. and Paniaku,M.A..
SCYCLIC LINKER-CONTAINING OLIGONUCLEOTIDES AND USES THEREOF
Patent: JP 2005508634-A 2 07-APR-2005;
MCGILL UNIVERSITY
                                                                                                                                                                                              gyon-ryumu min, masado j danha, ekaterina viazobukina, maria m
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| Kurz,M., Lohse,P. and Wagner,R.
| Peptide acceptor ligation methods
| Extent: US 6429300.A 23 06.AUG-2002;
| Phylos, Inc.; Lexington, MA
| Location/Qualifiers

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Sequence 23 from patent US 6429300.
AR222463
AR222463.1 GI:23329994
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Sequence 5 from patent US 6462184.
AR236087
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/organism="unknown"
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29-OCT-2001 US 60/33071
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           DD170603.1 GI:83956570
JP 2005508634-A/2.
                                                           unclassified sequences. 1 (bases 1 to 17)
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JP 2005508634-A/2
07-APR-2005
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AR236087/c
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1 (Dases 1 to 17)
Cech,T.R., Lingner,J., Nakamura,T., Chapman,K.B., Morin,G.B.,
Harley,C. and Andrews,W.H.
Method for detecting polynucleotides encoding telomerase
Patent: US 6808880-A 132 26-OCT-2004,
Geron Corporation and Regents of the University of Colorado; Menlo
Park, CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PAT 20-SEP-2005
Manoharan, M. and Maier, M.A.
Compounds, processes and intermediates for synthesis of mixed backbone oligomeric compounds
Patent: US 6462104-A 5 08-0CT-2002;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
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1 '(bases 1 to 17)
Cech,T.R., Lingner,J., Nakamura,T., Chapman,K.B., Morin,G.B.,
Harley,C.B. and Andrews,W.H.
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Patent: US 6921664-A 132 26-JUL-2005;
Regents of the University of Colorado and Geron Corporation;
Boulder, CO
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Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 17; Conservative 0; Mismatches 0;
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Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 17; Conservative 0; Mismatches 0;
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Sequence 132 from patent US 6808880.
ARS92720
ARS92720.1 GI:56641440
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AR700482
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PAT 08-MAY-2003

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Buarchontoglires; Primates; Catarrhini;
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Mammalia; Butheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                     Telerman, A., Amson, R. and Tuijnder, M. Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as
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Sequences involved in tumoral suppression, tumoral reversion,
apoptosis and/or viral resistance phenomena and their use as
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                                                                                                                                                                          DNA
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AX757211
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and their use as madicines Patent: WO 03004526-A 1204 16-JAN-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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Homo sapiens
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Euarchontoglires; Primates; Catarrhini;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Unclassified.

1 (bases 1 to 17)

Cech,T.R., Lingner,J., Nakamura,T., Chapman,K.B., Morin,G.B., Harley,C.B. and Andrews,W.H.
Genes for human telomerase reverse transcriptase and telomerase
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Geron Corporation and University Technology Corporation; Menlo
Park, CA
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Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 17; Conservative 0; Mismatches 0;
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Sequence 1204 from Patent WO03004526.
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Seguence 132 from patent US 6927285.
AR703785
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/db_xref="taxon:9606"
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/mol_type="genomic DNA"
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/mol_type="genomic DNA"
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Secretory proteins and polymucleotides encoding the same Patent: JP 2002515753-A 12 28-MAY-2002;
GRNETICS INSTITUTE INC
PN JP 2002515753-A/12
PD 38-MAY-2002
PP 31-OCT-1997 JP 1998521609
PR 01-NOV-1996 US 08/724973
PI RENNETH JACOBS, JOHN M MCCOY, EDWARD R LAVALLIE, LISA A RACIE, PI
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C12N15/00,
C12N5/00,C12N15/00,(C12N5/00,C12R1:91)
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                                                           BD190553 18 bp DNA linear PAI 17-JUL-2003 Secretory proteins and polynucleotides encoding the same.
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CIZNI5/09, CO7K14/47, CO7K16/18, CIZN1/19, CIZN1/21, CIZN5/10, PC
                                                                                                                                                                  Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Glires, Rodentia,
Sciurognathi, Muroidea, Muridae, Murinae.
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1 (bases I to 18)
Jun, N. Yusuke, N. and Toshihiro, T.
Mammal-derived tissue specific physiologically active protein
Patent: JP 2000037190-A 10 08-FEB-2000;
JAPAN TOBACCO INC
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/ative 0; Mismatches 0; Indels
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JP 2000037190-A/10
08-FEB-2000
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JP 2002515753-A/12.
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Brugliera, F., Holton, T.A. and Michael, M.Z.

Nucleic acid sequences encoding flavonoid 3'-hydroxylase and methods of altering flower color therewith Patent: US 6774285-A 29 10-AUG-2004;

Florigene Limited; Collingwood;

WOX;
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Unclassified.
Unclassified.
1 (bases 1 to 18)
Brugliera,F., Holton,T.A. and Michael,M.Z.
Nucleic acid sequences encoding flavonoid 3'-hydroxylase and methods of altering flower color therewith
Patent: US 6774285.A 28 10-AUG-2004;
Florigene Limited; Collingwood;
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100.0%; Pred. No. 5e+02;
ive 0; Mismatches 0; Indels
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Location/Qualifiers
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/db_xref="taxon:32630"
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Sequence 28 from patent US 6774285.
AR576395
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/mol_type="genomic DNA"

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    /organism="unknown"
    /mol_type="genomic DNA"

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RESULT 662 AX028844/c

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AUTHORS TITLE

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REFERENCE

ACCESSION VERSION KEYWORDS SOURCE

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bDl61924 20 bp DNA linear PAT 17-JAN-2003 Method for carrying out thermal cycle of PCR using DNA-immobilized substrate.
                                                                                                                                                                  other sequences; artificial sequences.

1 (bases 1 to 20)
Tanga,M., Okamura,H. and Takahashi,K.

mathof for carrying out thermal cycle of PCR using DNA-immobilized
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
                                                                                                                                                                                                                                                                                                                 OS Artificial Sequence
N JP 2002191169-A/1
PD 09-JUL-2002
PP 77-DEC-2000 JP 2000399573
PI MICHIFUMI TANGA, HIROSHI OKAWURA, KOJIRO TAKAHASHI PC
CALN15/09,CL2N15/09,CL201/68,Cl2N15/00,CL2N15/09 CC Method for immobilized
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Methods of diagnosis and treatment for asthma based on haplotype association
Patent: Wo 2005007144-A 3215 27-JAN-2005;
Decode Genetics EHF. (IS)
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Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 17; Conservative 0; Mismatches 0;

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|db_xref="taxon:32630"

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Sequence 3215 from Patent WO2005007144.
CS013290 GI:59673105
                                                                                                                                                                                                                                                                       Patent: JP 2002191369-A 1 09-JUL-2002;
TOYO KOHAN CO LTD, KOJIRO TAKAHASHI
OS ATTÍTÍKIÓN SQUENCE
PN JP 2002191369-A/1
PD 09-JUL-2002

    .21
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    /db_xref="taxon:9606"

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JP 2002191369-A/1.
synthetic construct
synthetic construct
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FLORIGENE LIMITED (AU); BRUGLIERA FILIPPA (AU); HOLTON TIMOTHY
ALBERT (AU); MICHAEL MICHAEL ZENON (AU)
LOCATION/QUAILIFIERS
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FLORIGENE LIMITED (AU); BRUGLIERA FILIPPA (AU); HOLTON TIMOTHY
ALBERT (AU); MICHAEL MICHAEL ZENON (AU)
LOCATION/QUALIFIERS
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Genetic sequences encoding flavonoid pathway enzymes and uses
therefor
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|bxref="taxon:32630"
|noFe="Oligonucleotide"
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synthetic construct
other sequences; artificial sequences.
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DEFINITION ACCESSION VERSION

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RESULT 663

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PAT 11-FEB-2005

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DEFINITION ACCESSION VERSION SOURCE ORGANISM

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Description of Artificial Sequence: Double-stranded product
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1 (bases 1 to 18)
Kaufman,J.C., Roth,M.E., Lizardi,P.M., Feng,L. and Latimer,D.R.
Binary encoded sequence tags
Bainary encoded sequence tags
Patent: US 6383754-A 6 07-MAY-2002;
Location/Qualifiers
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1 (bases 1 to 18)
Kaufman,J.C., Roth,M.E., Lizardi,P.M., Feng,L. and Latimer,D.R.
Binary encoded sequence tags
Patent: US 6383754-A 7 07-MAY-2002;
                                                                                                                                                                                                                                                                                                                                                               Query Match 0.6%; Score 16.4; DB 1; Length 18; Best Local Similarity 94.4%; Pred. No. 5.5e+02; Matches 17; Conservative 0; Mismatches 1; Indels
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Sequence 6 from patent US 6383754.
AR208426
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Sequence 7 from patent US 6383754.
AR208427 GI:21509578
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DD2000666.
JP 2005615
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Antisense modulation of protein phosphatase 2 catalytic subunit
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Patent: WO 0100669-A 57 04-JAN-2001;
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0.6%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 5.5e+02;
Matches 18; Conservative 0; Mismatches 2; Indels
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/db xref="teaxon:32630"
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                                                                                                                                                                                                                                                           beta expression
Patent: US 6602713-A 100 05-AUG-2003;
ISIS Pharmaceuticals, Inc.; Carlsbad, CA
Location/Qualifiers
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                                                                        20 bp DN Sequence 100 from patent US 6602713. AR373530. GI:40075659
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Sequence 57 from Patent W00100669.
AX067205
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/organism="unknown"
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 AGAGGATCATGCTGTTC 1
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synthetic construct
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Best Local Similarity 90.0°
Matches 18; Conservative
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                                                                                                                                                                                               Unclassified.
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AX067205/c LOCUS DEFINITION

ACCESSION

RESULT 667

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AUTHORS JOURNAL

TITLE

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PAT 20-JUN-2002

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KEYWORDS SOURCE ORGANISM

DEFINITION ACCESSION VERSION

RESULT 668 DD200066/c

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AX085253 18 bp
Sequence 7 from Patent W00112855.
AX08553 AX08521. GI:13275311
            AXO85252 18 bp
Sequence 6 from Patent WO0112855.
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Best Local Similarity 94.4%;
Matches 17; Conservative
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AX361600/c
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1 (bases 1 to 18)
Kaufman,J.C., Roth,M.E., Lizardi,P.M., Feng,L. and Latimer,D.R.
Binary encoded sequence tags
Patent: US 6773886-A 7 10-AUG-2004;
Yale University and Agilix Corporation; New Haven, CT
Location/Qualifiers
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Kaufman, J.C., Roth, M.E., Lizardi, P.M., Feng, L. and Latimer, D.R.
Binary encoded sequence tags
Patent: US 6773886-A 6 10-MG-2004;
Yale University and Agilix Corporation; New Haven, CT
Location/Qualifiers
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Sequence 6 from patent US 6773886.
AR575574
AR575574.1 GI:56576718
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AR575575/c
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AR575574/c
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PAT 09-MAR-2001
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Patent: WO 0112855-A 7 22-FEB-2001;
YALE UNIVERSITY (US)
                                                                                                                                                                          Kaufman,J.C., Roth,M.E., Lizardi,P.M., Feng,L. and Latimer,D.R.
Binary encoded sequence tags
Patent: WO 0112855-A 6 22-FEB-2001;
YALE UNIVERSITY (US)
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Pred. No. 5.5e+02;
0; Mismatches 1;
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/noTe="Primer"
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Sequence 18 from Patent W00208461.
AX361600.1 GI:18694219
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Best Local Similarity 94.4%;
Matches 17; Conservative (
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/note="Description of Artificial Sequence: Double-stranded
product DNA"
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Why interference mediated inhibition of MAP kinase gene expression using short interfering nucleic acid (siNA)
Patent: WO 2004097020-A 163 11-NOV-2004;
Sirna Therapeutics, Inc. (US)
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Linnarsson, S., Ernfors, P., Bauren, G., Metsis, A., Pihlak, A. and
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 expression analysis
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                                                             1. .18
/organism="synthetic construct"
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/noTe="Double-stranded product DNA"
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0.6%; Score 16.4; DB 1;
Best Local Similarity 94.4%; Pred. No. 5.5e+02;
Matches 17; Conservative 0; Mismatches 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                     other sequences; artificial sequences.
A method and an algorithm for mrna e
Patent: WO 0208464-A 18 31-JAN-2002
Global Genomics AB (SE)
Location/Qualifiers
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CQ965523.1 GI:56563309
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RNA interference mediated inhibition of MAP kinase gene expression using short interfering nucleic acid (siNA) patent: WO 2004097020-A 326 11-NOV-2004;

Sirna Therapeutics, Inc. (US)

Location/Qualifiers
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/organism="synthetic construct"
/organism="synthetic RNA"
/db_lrype="unassigned RNA"
/db_xref="taxon:32630"
/note="Description of Artificial Sequence: siNA antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mcswiggen, J., Beigelman, L., Usman, N., Haeberli, P., Chowrira, B. and
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/note="Description of Artificial Sequence: Target sequence/sina sense region"
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                                                                       Length 19;
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Diagnostics and therapeutics for diseases
coupled receptor adipor1)
Patent: WO 2005031346-A 4 07-APR-2005;
Bayer HealthCare AG (DE)
                                                                     Query Match 0.6%; Score 16.4; DB 1;
Best Local Similarity 94.4%; Pred. No. 5.7e+02;
Matches 17; Conservative 0; Mismatches 1;
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Pred. No. 5.7e+02;
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Sequence 326 from Patent WO2004097020.
CQ965686
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CS063697
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/db_xref="taxon:32630"
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Direct Submission
Submitted (04-FEB-2000) Weissenbach J., Genoscope, Centre National
de Sequencage, 2 rue Gaston Cremieux, 91006 Evry cedex, FRANCE
Location/Qualifiers
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1 (bases 1 to 18)
Schubart, D., Habenberger, P., Stein-Gerlach, M. and Bevec, D.
Schubart, D., Habenberger, P., Stein-Gerlach, M. and Bevec, D.
Cellular kinases involved in Cytomegalovirus infection and their inhibition
Parcent: US 6849409-A 1 01-FEB-2005;
Axxima Pharmaceuticals AG; Munich;
DEX;
                                                                                               Tiret, L., Kessler, J.L., Bentolila, S., Faure, S., Bach, J.M., Weissenbach, J. and Panthier, J.J.
Assignation of polymorphic markers on a canine purebred pedigree Unpublished
                                                                                                                                                                                                                                                                      1..20
/organism="synthetic construct"
/mol_type="other DNA"
/db xref="txxon:22630"
/note="synthetic oligonucleotide"
1..20
/note="DTRCn.20_f primer for canine microsatellite PCR
                                                                                                                                                                                                                                                                                                                                                                                                                          Length 20;
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Sequence 1 from patent US 6849409.
AR633675
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/organism="unknown"
/wol_type="genomic DNA"
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            oligonucleotide; primer
synthetic construct
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Weissenbach, J.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
                                                                                                                                                                                                                                                                                             Antisense human fucosyltransferase sequences and methods of use thereof
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Patent: WO 0105435-A 15 25-JAN-2001;
THE UNIVERSITY OF BRITISH COLUMBIA (CA) ; Miyake, Hideaki (JP)
Location/Qualifiers
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4.4%; Pred. No. 5.9e+02;
ve 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                           Patent: US 6350868-A 19 26-FEB-2002;
Location/Qualifiers
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/mol_type="unassigned DNA"
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                                                                                                                                  AR195441 20 bp 1
Sequence 19 from patent US 6350868.
AR195441
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Sequence 15 from Patent WO0105435.
AX078001
                                                                                                                                                                                                                                                        Unclassified.
1 (bases 1 to 20)
Weston, B.W. and Hiller, K.M.
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                 1895 GTGCCACAGGAAGAGAG 1912
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                                     18 GTGCCCCAGGAAGAAGAG 1
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Best Local Similarity 94.4%;
Matches 17; Conservative
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ASE287234/c
LOCUS
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KEYWORDS SOURCE ORGANISM

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PAT 15-MAY-2004

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BD167413 16 bp DNA linear PAT 17-JAN-2003 Surface-roughened slide glass and method of analyzing biological substance using the same.

BD167413 BD167413.

PD167413.1 GI:27873225

JP 2002211954-A/1.
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Matches 16; Conservative 0; Mismatches 0;
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Muchassified.
3 1 (bases 1 to 16)
S. Cech, T.R. and Lingner, J.
Telomerase
Telomerase
AL Patent: US 6093809-A 131 25-JUL-2000;
16. Location/Qualifiers
17. Location/Qualifiers
                                                                                                                                           DNA
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Sequence 131 from patent US 6309867.
AR175845.
AR175845.1 GI:17917144
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Patent: US 6309867-A 131 30-OCT-2001;
                                                                                                                                   Sequence 131 from patent US 6093809.
AR104584
AR104584.1 GI:12817292
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      Mismatches
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/organism="unknown"
/mol_type="unassigned DNA"
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Cech, T.R. and Nakamura, T.
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AR175845
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                              1 (bases 1 to 19)
Al-Mahmood, S.
Method for identifying novel genes involved in the regulation of anglogenesis, study of said genes and use thereof for therapeutic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Unclassified.

1 (bases 1 to 16)

Kutyavin,I.V., Lukhtanov,E.A., Gamper,H.B. and Meyer,R.B. Jr.

Covalently linked oligonucleotide minor grove binder conjugates

Patent: US 5801155-A 2 01-SEP-1998;
                                                                                                                                                                                                                                                                 Gaps
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Bazile,D., Emile,C., Helene,C. and Spenlehauer,G.
Nucleic acid-containing composition, its preparation and use
Patent: US_S856415-A 15_05-JAN-1999;
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                                                                                                                                                                                                                                   Length 19;
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Best Local Similarity 94.1%; Pred. No. 5.9e+02;
Matches 16; Conservative 1; Mismatches 0; Indels
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0.6%; Score 16; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 16; Conservative 0; Mismatches 0;
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Best Local Similarity 100.0%; Pred. No. 5.4e+02;
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Sequence 15 from patent US 5856435.
AR027678
AR027678.1 GI:5938498
                                                                                                       Patent: US 6716585-A 4 06-APR-2004;
GeneSignal;;

    .16
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    /mol_type="unassigned DNA"

    .16
    /organism="unknown"
    /mol_type="unassigned DNA"

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Sequence 2 from patent US 5801155.
AR037355
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/organism="unknown"
/mol_type="genomic DNA"
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               Inclassified.
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AR027678/c
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/db_xref="taxon:32644"
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Unidentified
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unclassified sequences.

El (bases Lto 16)
Surface-roughened slide glass and method of analyzing biological
substance using the same
buttent: JP 2002211954-A 2 31-JUL-2002;
TOYO KOHAN CO LTD
OS Artificial Sequence
N JF 2002211954-A 2 31-JUL-2002;
PP 30-OCT-2001
PP 31-JUL-2002
PP 31-JUL-2002
PP 31-JUL-2002
PP 31-JUL-2002
PP 11ROSHI OKAMPRA,MICHIFUMI TANGA,MITSUYOSHI OBA,KAORU YAMAKAWA,
PI KENICHI TAKAGI
PC G03015/00, C03017/245, C12M1/00, C12N11/14, C12N15/09, CC
SURface-roughened slide glass and method of analyzing CC
biological substance and method of analyzing CC
            Unicases 1 to 16)

Sokamura, H., Tanga, M., Oba, M., Yamakawa, K. and Takagi, K.

Sufface-roughened alide glass and method of analyzing biological
substance using the same
Batent: JP 2002211954-A 1 31-JUL-2002;

TOYO KOHAN TO LTD

TOYO KOHAN TO LTD

DS 31-JUL-2002

PN JP 2002211954-A/1

PD 31-JUL-2002

PF 30-OCT-2001 JP 2001332778

PI HIROSHI OKAMURA, MICHIFUMI TANGA, MITSUYOSHI OBA, KAORU YAMAKAWA,

PI KENICHI TAKAGI

PC C10215/100, C03C17/245, C12M1/00, C12N15/00, C12N15/00, C2

Surface-roughened slide glass and method of analyzing CC

biological substance

C using the same

C using the same

Location/Qualifiers

FT source.

FT source.
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JP 2002211954-A/2
31-JUL-2002
30-OCT-2001 JP 2001332778
HIROSHI OKAMURA, MICHIFUMI TANGA, MITSUYOSHI OBA, KAORU YAMAKAWA,
KENICHI TAKAGI
                                                                                                                                                                         30-OCT-2001 JP 2001332778
HIROSHI OKAMURA,MICHIFUMI TANGA,MITSUYOSHI OBA,KAORU YAMAKAWA,
KENICHI TAKKGI
C03C15/00,C03C17/245,C12M1/00,C12N11/14,C12N15/09,C12N15/09,
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/organism='Artificial Sequence'.
Location/Qualifiers
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:ive 0; Mismatches
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/db_xref="taxon:32644"
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     unclassified sequences.
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PAT 29-JUN-2004
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Patent: WO 2004050918-A 130 17-JUN-2004;
Agency for Science, Technology and Research (SG)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 fluorescent marker
Patent: EP 1413630-A 9 28-APR-2004;
COMMISSARIAT A L'ENERGIE ATOMIQUE (FR); Universite Joseph Fourier
de Grenoble (FR)
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ch 0.6%; Score 16; DB 1; Length 16; I Similarity 100.0%; Pred. No. 5.4e+02; 16; Conservative 0; Mismatches 0; Indels
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0.6%; Score 16; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 16; Conservative 0; Mismatches 0;

    16. 16
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synthetic construct
other sequences; artificial sequences.
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Sequence 9 from Patent EP1413630.
CQ800970
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RESULT 693 CS129780/c DEFINITION

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ACCESSION VERSION KEYWORDS

ORGANISM

SOURCE

REFERENCE AUTHORS JOURNAL

TITLE

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PAT 13-MAY-1997
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Kutyavin, I.V., Lukhtanov, E.A., Gamper, H.B. and Meyer, R.B. Jr.

Covalently linked oligonucleotide minor groove binder conjugates

Patent: US 6426408-A 2 30-JUL-2002;

Epoch Biosciences, Inc.; Bothell, WA

Location/Qualifiers
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Unclassified.
1 (bases 1 to 16)
Cook, P.D. and Sanghvi, Y.S.
Nuclease resistant, pyrimidine modified oligonucleotides that detect and modulate gene expression
Patent: US 5614617-A 60 25-MAR-1997;
Location/Qualifiers
1 (bases 1 to 16)
Cook, P.D. and Sanghvi, Y.S.
Nuclease resistant, pyrimidine modified oligonucleotides that
Nuclease resistant, pyrimidine expression
detect and modulate gene expression
Patent: US 5614617-A 42 25-MAR-1997;
Location/Qualifiers
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                                                                                                                                                                               Query Match 0.6%; Score 16; DB 1; Length 16; Best Local Similarity 100.0%; Pred. No. 5.4e+02; Matches 16; Conservative 0; Mismatches 0; Indels
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I38700
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Sequence 2 from patent US 6426408.
AR221692. GI:23328764
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/organism="unknown"

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    organism="unknown"

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Unknown.
Unclassified.
1 (bases 1 to 16)
Cook, P. D. and Sanghvi, Y. S.
Nuclease resistant, pyrimidine modified oligonucleotides that detect and modulate gene expression
Patent: US 5614617-A 36 25-MAR-1997;
Location/Qualifiers
                                                                                                                                                                                                                                                                Wengel,J.
Bi-cyclic nucleoside, nucleotide and oligonucleoide analogues
Patent: EP 1557424-A 70 27-JUL-2005;
Exigon A/S (DK)
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Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 16; Conservative 0; Mismatches 0;

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    forganism="synthetic construct"
|mol type="unassigned DNA"
|db_xref="taxon:32630"

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Sequence 36 from patent US 5614617.
138676 18676.1 GI:2084730
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Sequence 42 from patent US 5614617.
138682.1 GI:2084736
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Sequence 70 from Patent EP1557424.
CS129780.
CS129780.1 GI:71791931
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PAT 08-OCT-2004

KEYWORDS SOURCE ORGANISM

source

FEATURES

TITLE JOURNAL

AUTHORS REFERENCE

DEFINITION ACCESSION VERSION

RESULT 698 AR222462

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Beier,M. and Honeisel,J.
Nucleoside derivatives with photo-unstable protective groups
Patent: US 6756492-A 1 29-JUN-2004;
Deutsches Krebsforschungszentrum Stiftund des Offentlichen Rechts;
DEX;
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Unclassified.
Unclassified.
I (bases 1 to 16)
Teang, W.-G., Zheng, T. and Huang, C.J.
Culturing pancreatic stem cells having a specified, intermediate stage of development
Patent: US 6759039-A 9 06-UUL-2004;
AmCyte, Inc.; Santa Monica, CA
Location/Qualifiers
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Unclassified.
1 (bases 1 to 16)
Wengel,J. and Nielsen,P.
Oligonucleotide analogues
Exigen A/S;;
DKX;
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Sequence 9 from patent US 6759039.
AR561693. GI:53974843
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Unknown.
Unknown.
Unclassified.
I (bases 1 to 16)
Kutyavin,I.V., Lukhtanov,E.A., Gamper,H.B. and Meyer,R.B. Jr.
Kutyavin,I.V., Lukhtanov,E.A., Gamper,H.B. and Meyer,R.B. Jr.
Covalently linked oligonucleotide minor groove binder conjugates
Parent: US 6486308-A 2 26-NOV-2002;
Epoch Biosciances, Inc.; Bothell, WA
Location/Qualifiers
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Peptide acceptor ligation methods
Patent: US 6429300-A 22 06-AUG-2002;
Phylos, Inc.; Lexington, MA
Location/Qualifiers
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RESULT 699 AR257437/c

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Sequence 131 from patent US 6921664. AR700481
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Method for detecting polynucleotides encoding telomerase Patent: US 6808880-A 131 26-OCT-2004;
Geron Corporation and Regents of the University of Colorado; Menlo Park, CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Cuzin,M., Peltie,P., Fontecave,M., Decout,J.-L. and Dueymes,C. Charlysis of biological targets using a biochip comprising a fluorescent marker patent: US 6861315-A 9 01-MAR-2005, Commissariat a l'Energie Atomique and Universite Joseph Fourier De
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Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 16; Conservative 0; Mismatches 0; Indels
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Sequence 131 from patent US 6808880.
  Mismatches
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Sequence 9 from patent US 6861515.
AR642242
AR642242.1 GI:62778533
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  Conservative
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FRX;
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AR700481
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AR642242/c
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Unclassified.
1 (bases 1 to 16)
Cech B.R., Lingner, J., Nakamura, T., Chapman, K.B., Morin, G.B.,
Harley, C.B. and Andrews, W.H.
Genes for human telomerase reverse transcriptase and telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Unknown.
Unclassified.
1 (bases 1 to 16)
Dempoy, R.O., Afonina, I.A. and Vermeulen, N.M.J.
Hybridization-triggered fluorescent detection of nucleic acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Patent: US 6927285-A 131 09-AUG-2005;
Geron Corporation and University Technology Corporation; Menlo
Park, CA
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                                                                                                           1 (bases 1 to 16)
Cech,T.R., Lingner,J., Nakamura,T., Chapman,K.B., Morin,G.B.,
Harley,C.B. and Andrews,W.H.
                                                                                                                                                                             Telomerase
Patent: US 6921664-A 131 26-JUL-2005;
Regents of the University of Colorado and Geron Corporation;
Boulder, CO
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Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 16; Conservative 0; Mismatches 0;
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    16
    /organism="unknown"
    /mol_type="genomic DNA"

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/organism="unknown"
/mol_type="genomic DNA"
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AR703784.1 GI:75921828
AR700481.1 GI:75915876
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Unknown.
Unclassified.
I (bases 1 to 17)
Scelonge,C.J. and Bidney,D.L.
Scelonge,C.J. and Bidney,D.L.
Gene encoding oxalate decarboxylase from aspergillus phoenices
Patent: US 6297425-A 30 02-0CT-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                                                          Cuzin,M., Peltie,P., Fontecave,M., Decout,J.L. and Dueymee,C. Analysis of biological targets using a blochip comprising a fluorescent marker Patent: WO QUASARA OF A 30-AUG-2001; COMMISSARAT A L'ENERGIE ATOMIQUE (FR) LOCATION/QUALIFIERS
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Matches 16; Conservative 0; Mismatches 0;
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="sequence synthetique"
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Sequence 30 from patent US 6303846.
AR173367
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AR172076
AR172076.1 GI:17911026
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Sequence 9 from Patent WO0163282.
AX235176
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AX235176/c
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Efimov, V., Fernandez, J., Archdeacon, D., Archdeacon, J.,

Chakhmakhcheva, O., Buryakova, A., Choob, M. and Hondorp, K.

Chigonucleotide analogues, methods of synthesis and methods of use

Patent: US 6962906-A 9 08-NOV-2005;

Active Motif, Carlsbad, CA

Location/Qualifiers
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Nucleoside derivatives with photo-unstable protective groups

Patent: WO 0061594-A 2 19-OCT-2000;

DEUTSCHES KREBSFORSCH (DE) ; BEIER MARKUS (DE) ; HOHEISEL JOERG (DE)
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/mol_type="unassigned DNA"
/mol_txpf="taxon:3260"
/noFe="Oligonucleotid"
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synthetic construct
other sequences; artificial sequences.
Patent: US 6951930-A 21 04-OCT-2005;
Epoch Biosciences, Inc.; Bothell, WA
Location/Qualifiers
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Sequence 9 from patent US 6962906.
AR762890
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Sequence 2 from Patent WO0061594.
AX039049
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AR762890/c RESULT 708

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DEFINITION ACCESSION VERSION KEYWORDS

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27-APR-1999 JP 99P 120494
TAKESHI NAGASU, YUJI SUGITA, TOWOKO KASHIWABARA, TADAHIRO OSHIDA,
MASAYA OBAYASHI, SHIGEMICHI GUNJI, IZUMI OBAYASHI, YUKIHO IMAI,
                                                                                                                                                                                                                                                                                                                                                                PAT 02-AUG-2002
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795, a novel gene related to pollen allergy
Parent: WO 0065050-A 2 02-NOV-2000;
GENOX RESEARCH INC, TAKESHI NAGASU, YUJI SUGITA, TOMOKO KASHIWABARA, TADAHIRO OSHIDA, MASAYA OBAYASHI, SHIGEMICHI GUNJI, ZZUMI OBAYASHI, YUKIHO IMAI, NEI YOSHIDA, KAORU OGAWA, KEIKO MATSUI, EIKI
PARAMASHI, AKIRA YOKOI
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PN W0 0055050-A/2

PN W0 0055050-A/2

PD 02-NOV-2000

PC 26-APR-1999 JP 99P 120494

PT 27-APR-1999 JP 99P 120494

PT ARESHI NAGARU, YUJI SUGITA, TOMOKO KASHIWABARA, TADAHIRO OSHI

PI MASAYA OBAYASHI, SHIGEMICHI GUNJI, IZUMI OBAYASHI, YUKIHO IMAI

PI NAGARU OGAWA, KEIKO MATSUI, BIKI TAKAHASHI, AKIRA, YOKOI PC

C12N15/12, C07K14/47, C07K16/18, C12Q1/68, G01N33/50//A61K31/00, PC

A61P37/00

CC Description of Artificial Sequence:Artificially Synthesized
           Unclassified.

1 (bases 1 to 17)
Scelonge,C.J. and Bidney,D.L.
Gene encoding oxalate decarboxylase from aspergillus phoenices
Patent: US 6303846.A 30 16-OCT-2001;
Location/Qualifiers
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100.0%; Pred. No. 5.7e+02;
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795, a novel gene related to pollen allergy.
BD011730
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                                                                                                                                                                                                                                                                                                                                                                               synthetic construct
synthetic construct
other sequences; artificial sequences.
1 (bases 1 to 17)
                                                                                                                                                                                     100.0%; Prea. ...
                                                                                                                                               /mol_type="unassigned DNA"
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                                                                                                                              /organism="unknown"
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Best Local Similarity 100.
Matches 16; Conservative
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I Key
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Best Local Similarity
Matches 16; Conserv
Unknown.
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BD011730/c
ORGANISM
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                                             AUTHORS
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BD091742.1 GI:22637353
SW 0073435-AC.

BD091742.1 GI:22637353
SW 0073435-AC.

Synthetic construct

Char sequences; artificial sequences.

Char sequences; artificial sequences.

Char sequences artificial sequences.

RS Nagasu, T., Sugita, Y., Kashiwabara, T., Oshida, T., Obayashi, M.,

Gunji, S., Obayashi, I., Imai, Y., Yoshida, M., Ogawa, K. and Matsui, K.

441, a novel gene related to pollen allergy

RadAHIRO 0073435-A 2 07-DEC-2000;

GENOX RESEARCH INC. TAKESHI NAGASU YUJI SUGITA, TOMOKO KASHIWABARA,

TADAHIRO OSHIDA, MASAYA OBAYASHI, SHIGEMICHI GUNJI, IZUMI OBAYASHI,

YUKHO IMAI, NEI YOSHIDA, KAORU OGAWA, KEIKO MATSUI

OS Artificial Sequence

PN WO 0073435-A/2

PD 07-DEC-2000

PF 18-MAY-2000 WO 2000JP003190

PR 17-MAY-1999 JP 99P 148789

PI TAKESHI NAGASU, YUJI SUGITA, TOWOKO KASHIWABARA, TADAHIRO OSHIDA,

PI NEI YOSHIDA,

PI NEI YOSHIDA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KAORU OGAWA,KEIKO MATSUI
C12N15/10,C12Q1/68,G01N33/15,G01N33/50
Description of Artificial Sequence:Artificially Synthesized CC
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OS Artificial Sequence
NW 0073439-A/2
DD 07-DEC-2000
PP 18-MAY-2000 WO 2000JP003191
PR 27-MAY-1999 JP 99P 148784
PI TAKESHI NAGASU, VUJI SUGITA, YOMOKO KASHIWABARA, TADAHIRO OSHIDA,
PI MASAYA OBAYASHI, SHIGEMICHI GUNJI, IZUMI OBAYASHI, YUKIHO IMAI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PI KAORU OGAWA, KEIKO MATSUI, EIKI TAKAHASHI, AKIRA YOKOI PC
CI2N15/12, C12Q1/68, A61P37/08, A61K39/36, A61K45/00 CC Description
of Artificial Sequence: Artificially Synthesized CC Primer
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[ bases 1 to 17)

[ bases 1 to 17)

[ bagasu, T., Sugita,Y., Kashiwabara,T., Oshida,T., Obayashi,M.,

[ dunji,S., Obayashi,I., Imai,Y., Yoshida,N., Ogawa,K., Matsui,K.,

Takahashi,E. and Yokoi,A.

[ 465, a novel gene related to pollen allergy

Patent: WO 0073439-A 2 07-DEC-2000;

[ Bachox RESEARCH INC, TAKESHI NGGASU, YUJI SUGITA, TOMOKO KASHIWABARA,

TADAHIRO OSHIDA,MASAYA OBAYASHI, SHIGEMICHI GUNJI, IZUMI OBAYASHI,

YUKIHO IMAI,NEI YOSHIDA, KAORU OGAWA, KEIKO MATSUI, EIKI
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465, a novel gene related to pollen allergy
BD091750
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Pred. No. 5.7e+02;
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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tive 0; Mismatches
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synthetic construct
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source

FEATURES

RESULT 716 BD091773/c

ઠે 셤 ACCESSION VERSION KEYWORDS

DEFINITION

ORGANISM

SOURCE

AUTHORS REFERENCE

TITLE JOURNAL

COMMENT

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IS Nagaeu, T., Obhida, T., Obayashi, I., Matsui, K. and Sait, H.

IS Nagaeu, T., Oshida, T., Obayashi, I., Matsui, K. and Sait, H.

Method for examination for allergosis

L. Patent: WO 016529-A 5 07-8EP-2001,

GENOX RESERCH INC, JAPAN AS REPRESENTED BY GENERAL DIRECTOR OF

NATIONAL CHILDREN'S HOSPITAL, HIROMITSU NAKAUCHI, YUTAKA

FUJIKT, KAZUO FUKAWA, OSAMU KUDO TAKESHI NAGASU, TADAHIRO OSHIDA, IZUMI

OBAYASHI, KEIKO MATSUI, HIROHISA SAITO

OS Artificial Sequence

PN WO 0165259-A/5

PD 07-SEP-2001

PF 23-FEB-2001

PR 02-MAR-2000 JP 00P 61832

PI TAKESHI NAGASU, TADAHIRO OSHIDA, IZUMI OBAYASHI, KEIKO MATSUI, PI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           G01N13/15,
G01N33/50//C12P21/08,(C12N5/10,C12R1:91),(C12P21/02,C12R1:91)
Description of Artificial Sequence:an artificially synthesized
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Description of Artificial Sequence:Artificially Synthesized CC Primer Sequence
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OS Artificial Sequence
DS Artificial Sequence
PN WO 1254-2003 A/2
PD 28-MAR-2002
PF 21-SEP-2001 WO 2001JP008246
PR 25-SEP-2000 JP 00P 291318
PI YULI SUGITA, RYOICHI HASHIDA, KAORU OGAWA, TOMOKO FUJISHIMA, PI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 G01N33/53,C12Q1/68,C12N15/12,G01N33/15,A01K67/027,A61K39/395,A61P37/08
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synthetic construct
other sequences; artificial sequences.
1 (bases 1 to 17)
Sugita, Y., Hashida, R., Ogawa, K., Fujishima, T., Nagasu, T.,
Fuujimoco, G. and Takahashi, E.
Method of examining allergic disease
Patent: WO 0224903-A 2 28-MAR-2002;
GENOX RESEARCH INC, JAPAN AS REPRESENTED BY GENERAL DIRECTOR OF
NATIONAL CHILDREN'S HOSSITAL, YUJI SUGITA, RYOICH HASHIDA, KAORU
OGAWA, TOMOKO FUJISHIMA, TAKESHI NAGASU, GOZO ISUJIMOTO, EIKI
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C12N15/09, C12NS/10, C07K14/47, C07K16/18, C12P21/02, C12Q1/02,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /organism='Artificial Sequence' Location/Qualifiers
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100.0%; Pred. No. 5.7e+02;
tive 0; Mismatches 0; Indels
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    1. 17
    forganism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"

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other sequences; artificial sequences.
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PC G01N3
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Synthetic construct

Synthetic construct

other sequences; artificial sequences.

CE 1 (bases 1 to 17)

RS Nagasu, T., Sugita, Y., Kashiwabara, T., Oshida, T., Obayashi, M.,

Gunji, S., Obayashi, T., Imai, Y., Yoshida, N., Ogawa, K., Matsui, K.,

Takahashi, E. and Yokoi, A.

Takahashi, E. and Yokoi, A.

Takahashi, E. and Yokoi, A.

Takahashi, S. Orongen related to pollen allergy

Betent: WO 0073440-A. 2 07-DEC-2000;

GENOX RESEARCH INC, TAKESHI NAGASU, YUJI SUGITA, TOMOKO KASHIWABARA,

TAMAHASHI, AKIRA YOKOI

OS Artificial Sequence

PN WO 0073440-A/2

PD 07-DEC-2000

PF 18-MAY-2000 WO 2000JP00192

PR 27-MAY-1999 JP 99P 14878E

PI TAKESHI NAGASU, YUJI SUGITA, TOMOKO KASHIWABARA, TADAHIRO OSHIDA,

PI TAKESHI NAGASU, YUJI SUGITA, TOMOKO KASHIWABARA, TADAHIRO OSHIDA,

PI NEI YOSHIDA,

PI NEI YOSHIDA,
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BD091773
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Nethod for examination for allergosis.
18 B0097334.
18 B0097334.1 GI:22642908
WO 0165259-A/5.
18 Synthetic construct
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                  Location/Qualifiers.
Location/Qualifiers
                                                                                                           1. .17
/organism="synthetic construct"
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WO 0073440-A/2.
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Best Local Similarity
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PAT 18-SEP-2002

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PAT 17-JAN-2003

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wo 0.231222-AZ.

synthetic construct
construct
construct
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the sequences; artificial sequences.

1 (Dases 1 to 17)
Sugita,Y., Hashida,R., Ogawa,K., Obayashi,M., Nagasu,T., Saito,H.
Arkahashi,E.
Method for examination of allergosis
Patent: WO 0.233122-A 2 25-APR-2002;
GENOX RESERVET INC, JAPAN AS REPRESENTED BY GENERAL DIRECTOR OF
NATIONAL CHILDREN'S HOSPITAL, RINAKO NAKAGAWA YUJI SUGITA,RYOICHI
HASHIDA,KAORU OGAWA,MASAYA OBAYASHI, TAKESHI NAGASU, HIROHISA
SAITO,EKI TAKAHASHI
OS Artificial Sequence
PN WO 0.233122-A/2
PP 11-OCT-2001 WO 2001JP008937
PP 11-OCT-2001 JP 00P 314093
PI YUJI SUGITA,RYOICHI HASHIDA,KAORU OGAWA,MASAYA OBAYASHI, PI
TAKESHI NAGASU,
PP THROHISA SAITO,EKI TAKAHASHI
PC C1201/68,C12N15/09,G01N33/53,G01N33/50,C1201/02,A61K48/00, PC
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A01K67/027//C07K16/18,C12N5/10
Description of Artificial Sequence:an artificially synthesized
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GENOX RESEARCH INC, JAPAN AS REPRESENTED BY GENERAL DIRECTOR OF
NATIONAL CHILDREN'S HOSPITAL, MASAKAZU ADACHI, KAZUO MIYANAGA YUJI
SUGITA, RYOICHI HASHIDA, KAORU OGAWA, TOWOKO FUJISHIMA, TAKESHI
NAGASU, HIROHISA SAITO
OS Artificial Sequence
PN WO 0226962-A/6
PD 04-APR-2002
PP 21-SEP-2001 WO 2001JP008247
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synthetic construct
other sequences; artificial sequences.
1 (bases 1 to 17)
Sugita,Y., Hashida,R., Ogawa,K., Fujishima,T., Nagasu,T. and
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Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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                               Method for examination of allergosis. BD167835
BD167835.1 GI:27873647
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Method of examining allergic disease
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primer sequence
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BD167907/c
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ORGANISM
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JOURNAL
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PC C12Q1/02,G01N33/15,G01N33/50//C12P21/08,C12N5/00,C12N5/00, PC C12N15/00
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Method of examining allergic disease
Patent: JP 2002095500-A 2 02-APR-2002;
GENOX RESEARCH INC, THE DIRECTOR OF NATIONAL CHILDREN'S HOSPITAL
OS ARTIFICIAL Sequence
PN JP 2002095500-A/2
PN JP 2002095500-A/2
PP 22-SEP-2002
PP 22-SEP-2002
PP 22-SEP-2003
PP 22-SEP-2003
PP 22-SEP-2003
PP 23-SEP-2004
PP 23-SEP-2004
PP 24-SEP-2004
PP 24-SEP-2005
PP 24-SEP-2005
PP 24-SEP-2005
PP 24-SEP-2005
PP 24-SEP-2006
PP 25-SEP-2006
PP 25-SEP-
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PC
C12Q1/68,A01K67/027,A61K31/7088,A61K31/711,A61K45/00,A61P37/08,
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PC CO7K16/18, C12N1/15, C12N1/19, C12N1/21, C12N5/10, C12N5/10
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1 (bases 1 to 17)
Sugita,Y., Hashida,R., Ogawa,K., Obayashi,M., Nagasu,T.
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                    Location/Qualifiers
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/organism='Artificial Sequence'.
Location/Qualifiers
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Location/Qualifiers
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    .17
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    17
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|mol_type="genomic DNA"
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Method of examining allergic disease.
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JP 2002095500-A/2.
synthetic construct
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Matches 16; Conservative
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KEYWORDS
SOURCE
ORGANISM
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TITLE JOURNAL

COMMENT

REFERENCE AUTHORS

RESULT 719 BD143834/c LOCUS

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PAT 17-JAN-2003

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RESULT 720 BD167835/c

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PAT 17-JAN-2003

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cher sequences, artificial sequences.

CE 1 (bases 1 to 17)

RS Matsumoto,Y., Imai,Y., Oshida,T., Sugita,Y., Nagasu,T. and Taulimoto,G.

Atulimoto,G.

Method of examining allergic disease

AL Patent: WO 0250269-A 2 27-JUN-2002;

GENOX RESERACH INC, JAPANA SR ERPESENTED BY GENERAL DIRECTOR OF NATIONAL CHILDREN'S HOSPITAL, MASAMICHI TAKAGI,AKINORI OTA YOSHIKO MATSUMOTO,YUKIHO IMAI,TADAHIRO OSHIDA,YUJI SUGITA, TAKESHI NAGASU,GOZO TAVUN-2002

PD 27-JUN-2002

PP 21-DEC-2001 WO 2001JP011286

PR 21-DEC-2000 JP 00P 389476

PR 21-DEC-2000 JP 00P 389476

PR 21-DEC-2000 JP 00P NAI,TADAHIRO OSHIDA,YUJI SUGITA, PI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C12N15/11, C07K16/18, A61K67/027, A61K31/711, A61K45/00, A61K48/00,
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                      Query Match 0.6%; Score 16; DB 1; Length 17; Best Local Similarity 100.0%; Pred. No. 5.7e+02; Matches 16; Conservative 0; Mismatches 0; Indels
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tive 0; Mismatches 0;
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/organism="synthetic construct"
/mol type="genomic DNA"
/db_xref="taxon:32630"
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synthetic construct
other sequences; artificial sequences.
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WO 0250269-A/2
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Method for examination for allergosis

Method for examination for allergosis

Datent: WO 0233069-A 18 25-APR-2002,

MATIONAL CHILDREN'S HOSPITAL, TOWOYUKI FUKASAWA, CHUHEI NOJIRI, NOBUO

MATUGHASAYA OBAYASHI, TAKESHI NGGASU, HIROHISA SAITO

OGAWA, MASAYA OBAYASHI, TAKESHI NAGASU, HIROHISA SAITO

OS Artificial Sequence

N WO 0233069-A/18

PP 25-APR-2001

PP 28-SEP-2001 WO 2001JP0008574

PR 13-OCT-2000 JP 00P 314093

PI YULI SUGITA, RYOICHI HASHIDA, KAORU OGAWA, MASAYA OBAYASHI, PI

TAKESHI NAGASU,

PI HIROHISA SAITO

PC 0121N15/09, C12N15/63, C12Q1/68, C12Q1/02, G01N33/53, C12N5/10, PC

A61X39/395,

CC 07K14/47, C07K16/18//C12P21/02, C12P21/08

CC Description of Artificial Sequence: an artificially synthesized
                                                                                                                                      GOIN33/15,
GOIN33/50//C12P21/08, (C12N5/10,C12R1:91), (C12P21/02,C12R1:91)
Description of Artificial Sequence:an artificially synthesized
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                                                                                                                  A01K67/027, A61K31/713, A61K45/00, A61K48/00, A61P17/00, A61P37/08,
                                                             HIROHISA SAITO
CI2N15/09,C12N5/10,C07K14/47,C07K16/18,C12P21/02,C12Q1/02, PC
26-SEP-2000 JP 00P 293021
YUJI SUGITA,RYOICHI HASHIDA,KAORU OGAWA,TOMOKO FUJISHIMA, PI
HI NAGASU,
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BD168111 GI:27873923
WO 0233069-A/18.
Synthetic construct
Synthetic construct
Other Bequences, artificial sequences.
1 (bases 1 to 17)
Synthatic, Tashida,R., Ogawa,K., Obayashi,M., Nagasu,T. and
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/organism='Artificial Sequence'
Location/Qualifiers
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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    /organism="synthetic cor/mol_type="genomic DNA"
    /db_xref="taxon:32630"

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PAT 15-DEC-2005

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MASAYA OBAYASHI,SHIGEMICHI GUNJI,IZUMI OBAYASHI,YUKIHO IMAI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C12N15/09, A61K31/00, A61K39/36, A61K45/00, C12Q1/68, C12N15/00 CC
      Artificial Sequence
JP 2005515790-A/24
02-2010-2005
03-2010-2003
DP 2003564279
29-JAN-2002
US 60/352245
Deter ronneruberui, matsu orudin, sten rinnarusson, patrick PI
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Synthetic construct

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/organism="synthetic construct"
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/db_xref="taxon:32630"
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E34258.1 GI:18624263
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Immunostimulatory nucleic acids for inducing il-10 responses Patent: WO 2005111057-A 30 24-NOV-2005;
Coley Pharmaceutical GmbH (DE); Coley Pharmaceutical Group, Inc.
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ION DD200072.1 GI:85650751

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S Ronneruberui, P., Orudin, M., Rinnarusson, S. and Erunforusu, P. Methods and Means for Identification of Gene Features

Global Genomics AB

Global Genomics AB
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/organism="synthetic construct"
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Organism="synthetic construct"

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/nove="Synthetic oligonucleotide"
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Best Local Similarity 94.1%; Pred. No. 5.7e+02;
Matches 16; Conservative 0; Mismatches 1;
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CS223634/c LOCUS DEFINITION

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RESULT 730 AR266625/c DEFINITION ORGANISM

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Sequence 1075 from patent US 6566127.
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Unclassified.
1 (bases 1 to 17)
McClelland,M., Welsh,J. and Trenkle,T.
McComplexity nucleic acid targets and methods of using same Patent: US 6495119-A 63 17-DEC-2002;
Sidney Kimmel Cancer Center; San Diego, CA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Unknown.
Unknown.
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I (bases 1 to 17)
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1 wGswiggen, J., Stinchcomb, D. and Escobedo, J.
Pavco, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J.
Pathod and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
Patent: US 6346398-A 2551 12-FEB-2002;
Location/Qualifiers
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Pavco, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J.
Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
Patent: US 6346398-A 2550 12-FEB-2002;
Location/Qualifiers
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Sequence 2551 from patent US 6346398.
AR187063.1 GI:20233028
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Sequence 63 from patent US 6495319.
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AR187062.1 GI:20233027
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REFERENCE AUTHORS

TITLE

ACCESSION VERSION KEYWORDS SOURCE

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I (bases 1 to 17)
Ishiwata,T., Sakurada,M., Kawabata,A., Nakagawa,S., Nishi,T.,
Kuga,T., Sawada,S., Takei,M., Shibata,K. and Furuya,A.
IgA nephropathy-related DNA
Patent: US 5662984-A 107 08-NOV-2005;
Nihon University; Tokyo;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Linnarsson, S.G., Ernfors, P.G. and Bauren, G.G.
A method and an algorithm for mrna expression analysis
Patent: WO 0208461-A 24 31-JAN-2002;
Global Genomics AB (SE)
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/noTe="Double-stranded product DNA"
                                                                                                                                                 Query Match 0.6%; Score 16; DB 1; Le Best Local Similarity 100.0%; Pred. No. 5.7e+02; Matches 16; Conservative 0; Mismatches 0;
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synthetic construct
other sequences; artificial sequences.
Patent: US 6828428-A 105 07-DEC-2004;
Kyowa Hakko Kogyo Co., Ltd.; Tokyo;
JPX;
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Seguence 107 from patent US 6962984.
AR763499
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/mol_type="unassigned DNA"
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/organism="unknown"
/mol_type="genomic DNA"
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Unclassified.
In (bases 1 to 17)
PavCo, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J.
Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6018447-A 1075 16-NOV-2004;
Sirna Therapeutics, Inc.; Boulder, CO
Location/Qualifiers
                                                                                                                                                                1 (bases 1 to 17)

Parco. P., McSwiggen, J., Stinchcomb, D. and Escobedo, J.

Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6818447.A 1074 16-NOV-2004;

Sirna Therapeutics, Inc.; Boulder, CO

Location/Qualifiers
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1 (Dases 1 to 17)

1 Shakarada,M., Nishimura,A., Nakagawa,S., Nishi,T., Kuga,T., Sawada,S. and Takei,M.

IGA nephropathy-related genes
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100.0%; Pred. No. 5.7e+02;
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0.6%; Score 16; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 5.7e+02;
Matches 16; Conservative 0; Mismatches 0;
         Sequence 1074 from patent US 6818447.
AR597132
AR597132.1 GI:56648146
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ARS97133.1 GI:56648147
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Seguence 105 from patent US 6828428.
AR614733
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/organism="unknown"
/mol_type="unassigned RNA"
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Unclassified.
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RESULT 735 AR614733/c DEFINITION

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PAT 15-FEB-2002

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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Glires, Rodentia,
Sciurognathi, Muroidea, Muridae, Murinae, Mus.
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
                                                                                                                                                                                                                         Telerman, A., Amson, R. and Tuijnder, M.
Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as medicines
Patent: WO 0302176-A 2513 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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Patent: WO 03050284-A 161 19-JUN-2003;
Amersham Biosciences (SV) Corp. (US)
Location/Qualifiers
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100.0%; Pred. No. 5.7e+02;
tive 0; Mismatches 0;
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tive 0; Mismatches 0;
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Sequence 2513 from Patent WO03025176.
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Sequence 161 from Patent WO03050284.
AX781830
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/organism="Mus musculus"
/mol_type="unassigned DNA"
/db_xref="taxon:10090"
                                                                                                            Mus musculus (house mouse)
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Homo sapiens
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Shannon,M., Gu,Y. and Nguyen,C.T.
Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
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Aeomica, Inc. (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                       Patent: EP 1281758-A 5257 05-FEB-2003;
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Sequence 5258 from Patent BP1281758.
AX692526.1 GI:29415484
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Sequence 5257 from Patent EP1281758.
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Location/Qualifiers
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Homo sapiens
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ACCESSION VERSION KEYWORDS SOURCE ORGANISM

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        Location/Qualifiers
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JP 2000037190-A/13.
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PD 08-FE
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/db_xref="taxon:32630"
/note="Description of Artificial Sequence: Double-stranded
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Homo sapiens
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Buarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Linnarsson, S., Ernfors, P., Bauren, G., Metsis, A., Pihlak, A. and
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tive 0; Mismatches 0; Indels
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                                                                                                                        Guo,J.
Human prostate cancer candidate protein 1
Patent: WO 03050284-A 162 19-JUN-2003;
Amersham Biosciences (SV) Corp. (US)
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
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CI2N15/09, C07K14/47, C07K16/18, C12N1/19, C12N1/21, C12N5/10, PC
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B32456.1 GI:13018692
JP 2000037190-A/16.
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Jun, N. Yusuke, N. and Toshihiro, T. Mammal-derived tissue specific physiologically active protein Patent: JP 2000037190-A 16 08-FEB-2000;
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Jun, N., Yusuke, N. and Toshihiro, T.
Mammal-derived tissue specific physiologically active protein
Patent: JP 2000037190-A 13 08-FEB-2000;
JAPAN TOBACCO INC
S Artificial Sequence
PN JP 2000037190-A/13
PD 08-FEB-2000
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Query Match 0.6%; Score 16; DB 1; Length 18; Best Local Similarity 100.0%; Pred. No. 5.9e+02; Matches 16; Conservative 0; Mismatches 0; Indels
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/organism="unknown"
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Sequence 5 from patent US 6383754.
AR208425
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Sequence 5 from patent US 6773886.
AR575573 GI:56576717
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Sequence 5 from Patent WO0112855.
AX085251
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C12N15/00,
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C12N15/09, C07K14/47, C07K16/18, C12N1/19, C12N1/21, C12N5/10, PC
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CI2N15/09, C07K14/47, C07K16/18, C12N1/19, C12N1/21, C12N5/10, PC
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/mol type="genomic DNA"
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Matches 16; Conservative
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I (bases 1 to 18)
Raufman, J.C., Roth, M.E., Lizardi, P.M., Feng, L. and Latimer, D.R.
Binary encoded sequence tags
Patent: US 6383754-A S 07-MAX-2002;
Location/Qualifiers
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Kaufman, J.C., Roth, M.E., Lizardi, P.M., Feng, L. and Latimer, D.R.
Binary encoded sequence tags
Batent: US 6713886-A 5 10-4016-2004;
Yale University and Agilix Corporation; New Haven, CT
Location/Qualifiers
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CS092728.1 GI:66950266
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Method of utilizing the 5' end of transcribed nucleic acid regions
for cloning and analyais
Patent: WO 2003106672-A 62 24-DEC-2003;
Riken (JP); Kabushiki Kaisha Dnaform (JP)
Location/Qualifiers
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/mol type="unassigned RNA"
/db_xref="taxon:32630"
/note="bescription of Artificial Sequence: Target Sequence/siNA sense region"
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100.0%; Pred. No. 6.1e+02;
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    18
    Organism="synthetic construct"
|mol_type="unassigned DNA"
|db_xref="taxon:32630"

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/organism="synthetic construct"
/mol type="unassigned DNA"
/db_xref="taxon:32630"
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0.6%; Score 16; DB 1; Length 19;
100.0%; Pred. No. 6.1e+02;
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Sirna Therapeutics, Inc. (US)
Location/Qualifiers
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Exigon A/S (DK)
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Sequence 12 from Patent WO2004020575.
CQ965250
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-ive 0; Mismatches
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Best Local Similarity 89.55
Best 17; Conservative
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Matches 17; Conservative
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CS028119
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CS028417
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                                                        PAT 18-MAY-2002
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RNA interference mediated inhibition of XIAP gene expression using short interfering Nucleic Acid (siNA)
Patent: WO 2005014811-A 203 17-FEB-2005;
Sirna Therapeutics, Inc. (US)
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/db_xre="taxon:32630"
/note="Description of Artificial Sequence: Target
Sequence/siNA sense region"
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Best Local Similarity 89.5%; Pred. No. 6.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
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100.0%; Pred. No. 6.3e+02;
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Calibration of molecular array data
Patent: EP 1186673-A 1 13-MR-2002;
Agilent Technologies Inc (US)
Location/Qualifiers
1. .20
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//db_xrefe="unassigned DNA"
//noTe="probes to target sequences"
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Sequence 203 from Patent WO2005014811.
CS027950 GI:60497500
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other sequences, artificial sequences.
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                                                     Sequence 1 from Patent EP1186673.
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Matches 16; Conservative
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CS027950/c
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RNA interference mediated inhibition of XIAP gene expression using short interfering Nucleic Acid (siNA)
Patent: WO 2005014811-A 372 17-FEB-2005;
Sirna Therapeutice, Inc. (US)
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                                                                                   Mcswiggen, J. and Chowrira, B.M.
RNA interference mediated inhibition of XIAP gene expression using short interfering Nucleic Acid (siNA)
Patent: WO 2005014811-A 296 17-FEB-2005;
Sirna Therapeutics, Inc. (US)
Location/Qualifiers
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/dbl xref="taxon:32630"
/note="Description of Artificial Sequence: Target Sequence/sinA sense region"
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89.5%; Pred. No. 6.3e+02;
ative 0; Mismatches 2; Indels
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89.5%; Pred. No. 6.3e+02;
tive 0; Mismatches 2;
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synthetic construct
synthetic construct
other sequences, artificial sequences.
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other sequences; artificial sequences.
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Mcswiggen, J., Chowrira, B.M. and Haeberli, P.
RNA interference mediated inhibition of NOGO and NOGO receptor gene expression using short interfering Nucleic Acid (siNA)
Patent: WO 2005045035-A 99 19-MAY-2005;
Sirna Therapeutics, Inc. (US)
Location/Qualifiers
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RNA interference mediated inhibition of NOGO and NOGO receptor gene
expression using short interfering Nucleic Acid (siNA)
Patent: WO 2005/945035-A 198 19-MAY-2005;
Sirna Therapeutics, Inc. (US)
      /note="Description of Artificial Sequence: siNA antisense
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llarity 89.5%; Pred. No. 6.3e+02;
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                                                                Score 15.8; DB 1; Length 1
Pred. No. 6.3e+02;
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region"

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CS095407
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RNA interference mediated inhibition of XIAP gene expression using short interferring Nucleic Acid (sinA)
short interferring Nucleic Acid (sinA)
Patent: WO 2005014811-A 763 17-FEB-2005;
Sirna Therapeutics, Inc. (US)
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RNA interference mediated inhibition of XIAP gene expression using short interfering Nucleic Acid (siNA)
Patent: WO 2005014811-A 839 17-FEB-2005;
Sirna Therapeutics, Inc. (US)
Location/Qualifiers
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89.5%; Pred. No. 6.3e+02;
ative 0; Mismatches 2;
Patent: WO 2005014811-A 670 17-FEB-2005;
Sirna Therapeutics, Inc. (US)
Location/Qualifiers

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    organism="synthetic construct"

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Sequence 763 from Patent WO2005014811.
CS028510
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OS Unidentified
PN JP 2002516564-A/6
PN JP 2002516564-A/6
PD 04-JUN-2002
PP 24-SEP-1997 JP 1998515877
PR 24-SEP-1996 US 60/026603,11-OCT-1996 US 60/028363 PI
SAMUIL UMANSKY,HOVSEP MELKONYAN
PC CIZNIS/12,CIZNIS/62,CO7K14/47,CO7K16/18,CI2QL/68,G01N33/53, PC
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Two-color differential display as a method for detecting regulated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Kozian, D. and Reuner, B.

Two-color differential display as a method for detecting regulated
Two-color differential display as a method for detecting regulated
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Two-rolor differential display as a method for detecting regulated
AVENTIS PHARMA DEUTSCHLAND GMBH
OS Unidentified
BN J 2003524088-A/2
PD 06-AUG-2002
PP 32005524088-A/2
PD 06-AUG-1999 JP 2000569015
PR 07-SEP-1998 DE 198 40 731.9
PI DETLEF KOZIAN, BIRGIT REUNER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C1201/68,G01N33/58//A61K45/00,C12N15/09,C12N15/09,C12N15/00,
C12N15/00
Strandedness: Single;
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Topology: Linear;
Gene family encoding apoptosis-associated peptides, peptides
encoded
                                                                                              1 (bases 1 to 17)
Umansky, S. and Melkonyan, H.
Gene family encoding apoptosis-associated peptides, peptides encoded thereby and method of using the same
Patent: JP 2002516564-A 6 04-JUN-2002;
TANOX INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /organism='Unidentified'
Location/Qualifiers
encoded thereby and method of using the same.
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Key Location/Qualifiers
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BD233654.1 GI:33043424
JP 2002524088-A/2.
unidentified
unclassified sequences.
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BD217905.1 GI:33027675
JP 2002516564-A/6.
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/note= 'M = A, C,
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Method for diagnosing cancer susceptibility
Patent: WO 02100896-A 128 19-DEC-2002;
Patent: WO 02100896-A 128 19-DEC-2002;
UNIVERSITE CLAUDE BERNARD - LYON 1 (FR)
LOCATION/Qualifiers
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89.5%; Pred. No. 6.3e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                              Vandeghinste, N.
Methods and means for treatment of osteoarthritis
Patent: WO 2005124342-A 422 29-DEC-2005;
Galapagos N.V. (BE)
Location/Qualifiers
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Mol Lype="unassigned DNA"
/db xref="taxon:32630"
/noTe="synthetic oligonucleotide"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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other sequences; artificial sequences.
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other sequences; artificial sequences.
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Seguence 128 from Patent WO02100896.
AX657415
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Matches 17; Conservative
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PAT 15-DEC-2005

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Immunostimulatory nucleic acids for inducing il-10 responses Patent: WO 2005111057-A 29 24-NOV-2005;
Coley Pharmaceutical GmbH (DE); Coley Pharmaceutical Group, Inc. (US)
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    1.17
/note="where the linkages between bases are
phosphorothioate linkages"

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/db_xref="taxon:32630"
/note="Synthetic oligonucleotide"
1. .17
/note="where the linkages between bases are phosphorothioate linkages"

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/note="where the linkages between bases are
phosphorothioate linkages"

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Mol type="unassigned DNA"
Ab ref="texton:32630"
/noTe="Synthetic oligonucleotide"
                                                                      Query Match 0.6%; Score 15.4; DB 1; Best Local Similarity 94.1%; Pred. No. 6.3e+02; Matches 16; Conservative 0; Mismatches 1;

    17 Corganism="synthetic construct"

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synthetic construct
other sequences; artificial sequences.
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CS223630/c
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CS223645/c
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    1.7
    /note="where all linkages between bases are
phosphorothioate linkages"

                                                                                                                          Query Match 0.6%; Score 15.6; DB 1; Length 17; Best Local Similarity 93.8%; Pred. No. 6.1e+02; Matches 15; Conservative 1; Mismatches 0; Indels
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    .17
    forganism="synthetic construct"
|mol_type="unassigned DNA"
|db_xref="taxon:32630"

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/organism="synthetic construct"
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/db_xref="taxon:32630"
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synthetic construct
other sequences; artificial sequences.
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                                    1. .17
/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
1. .17.
Location/Qualifiers
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DEFINITION
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VERSION
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SOURCE
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Shannon,M., Gu,Y. and Nguyen,C.T.
Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                  Shannon,M., Gu,Y. and Nguyen,C.T. Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
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Acomica, Inc. (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                      Patent: EP 1281758-A 5256 05-FEB-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 5259 from Patent EP1281758. AK692527 GI:29415485
                                                                                                                              AX692524
Sequence 5256 from Patent EP1281758.
AX692524
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/db_xref="taxon:9606"
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Location/Qualifiers
2709 AAAAAAAAAAAAAA 2725
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AX692527/c
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AX692528/c
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
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Immunostimulatory nucleic acids for inducing il-10 responses
Patent: WO 2005111057-A 59 24-NOV-2005;
Coley Pharmaceutical GmbH (DE); Coley Pharmaceutical Group, Inc. (US)
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                 Query Match 0.6%; Score 15.4; DB 1; Length 17; Best Local Similarity 94.1%; Pred. No. 6.3e+02; Matches 16; Conservative 0; Mismatches 1; Indels
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Aeomica, Inc. (US)
Location/Qualifiers
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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                                                                                                                                                         Shannon,M., Gu,Y. and Nguyen,C.T.
Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
                                                                                                  Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Buarchontoglires, Primates, Catarrhini,
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Synthetic construct
synthetic construct
other sequences; artificial sequences.
1 (bases 1 to 18)
Jun, N., Yusuke, N. and Toshihiro, T.
Mammal-derived tissue specific physiologically active protein
patent; JP 2000037190-A 11 08-FEB-2000;
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C12N5/00,C12N15/00,(C12N5/00,C12R1:91)
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tive 0; Mismatches 1;
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/organism="synthetic construct"
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Aeomica, Inc. (US)
Location/Qualifiers
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Sequence 5260 from Patent EP1281758.

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/db_xref="taxon:9606"

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/db_xref="taxon:32630"
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Mammal-derived tissue specific physiologically active protein.
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C12N15/00,
C12N5/00,C12N15/00,(C12N5/00,C12R1:91)
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C12N15/09, C07K14/47, C07K16/18, C12N1/19, C12N1/21, C12N5/10, PC
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                                                                                                                                                                           JP_200037190-A/12.
synthetic construct
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other sequences, artificial sequences.
1 (bases 1 to 18)
Jun,N., Yusuke,N. and Toshihiro,T.
Mammal-derived tissue specific physiologically active protein
JAPAN TOBACCO INC
OS Artificial Sequence
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Jun,N., Yusuke,N. and Toshihiro,T.
Mammal-derived tissue specific physiologically active protein
Datent: JP 200007199-A 14 08-FEB-2000;
JAPAN TOBACCO INC
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Mammal-derived tissue specific physiologically active protein.
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/organism="synthetic construct"
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Location/Qualifiers
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Mammal-derived tissue specific physiologically active protein.
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Jun,N., Yusuke,N. and Toshihiro,T.
Mammal-derived tissue specific physiologically active protein
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CIZNI5/09, C07K14/47, C07K16/18, C12N1/19, C12N1/21, C12N5/10, PC
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C12N15/09, C07K14/47, C07K16/18, C12N1/19, C12N1/21, C12N5/10, PC
Mammal-derived tissue specific physiologically active protein Patent: JP 200037190-A 17 08-FEB-2000; JAPAN TOBACCO INC
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/organism="synthetic construct"
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/db_xref="taxon:32630"
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94.1%; Pred. No. 6.5e+02;
tive 0; Mismatches 1;
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JP 2000037190-A/18.
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CI2N15/09, C07K14/47, C07K16/18, C12N1/19, C12N1/21, C12N5/10, PC
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Mammal-derived tissue specific physiologically active protein. E32455.
E32455.
G1:13018691
JP 2000037190-A/15.
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1 (bases 1 to 18)
Jun, N., Yusuke, N. and Toshihiro, T.
Mammal-derived tissue specific physiologically active protein
Patent: JP 2000037190-A 15 08-FEB-2000;
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/organism="synthetic construct"
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JP 2000037190-A/17.
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other sequences; artificial sequences.
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Jun,N., Yusuke,N. and Toshihiro,T.
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                                                        Mcswiggen, J., Bharat, C. and Haeberli, P.
RNA interference mediated inhibition of Severe Acute Respiratory
Syndrome (SARS) virus gene expression using short interfering
Nucleic Acid (siNA)
Patent: WO 2004092383-A 177 28-OCT-2004;
Sirna Therapeutics, Inc. (US)
Location/Qualifiers
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Mrswiggen, J., Bharat, C. and Haeberli, P.
Mrs interference mediated inhibition of Severe Acute Respiratory
Syndrome (SAS) virus gene expression using short.interfering
Nucleic Acid (SiNA)
Patent: WO 2004093183.A. 1828 28-OCT-2004;
Sirna Therapeutics, Inc. (US)
Location/Qualifiers
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Genotyping reagents, kits and methods of use thereof
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94.1%; Pred. No. 6.8e+02;
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Sequence 1828 from Patent WO2004092383.
CQ961673.1 GI:56401953
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Sequence 3718 from Patent W00129262.
AX118595.1 GI:14035546
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Cohen, D., Chumakov, I. and Blumenfeld, M.
Biallelic markers for use in constructing a high density disequilibrium map of the human genome Patent: US 6537751-A 4910 25-MAR-2003;
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/db xref="taxon:32630"
/noTe="Primer"
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CQ960022
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Sequence 4910 from patent US 6537751.
AR293175.
AR293175.1 GI:31680459
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RESULT 784 AX115587/c LOCUS

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ACCESSION VERSION KEYWORDS

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REFERENCE AUTHORS

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DEFINITION ACCESSION VERSION KEYWORDS SOURCE

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Unclassified.
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AR429726/c
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Submitted (26-SEP-2001) Eiichi Akahoshi, Corporate Research & Submitted (26-SEP-2001) Eiichi Akahoshi, Advanced Materials & Development Center, Toshiba Corporation, Advanced Materials & Devices Laboratory; 1, Komukai Toshiba-cho, Saiwai-ku, Kawasaki, Kanagawa 212-8582, Japan (E-mail:eiichi.akahoshi@toshiba.co.jp, Tel:81-44-549-2113)
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0.6%; Score 15.4; DB 1;
Best Local Similarity 94.1%; Pred. No. 6.8e+02;
Matches 16; Conservative 0; Mismatches 1;
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/organism="synthetic construct"
/mol_type="genomic DNA"
1. .19
                                                       /organism="synthetic construct"
/mol type="unassigned DNA"
/db_wref="taxon:32630"
/note="Pximer"
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1 (bases 1 to 16)
Ogawara,T., Suzuki,M. and Ozaki,K.
TSA7005 gene
Patent: JP 2001025389-A 3 30-JAN-2001;
OTSUKA PHARMACEUT CO LTD
Patent: WO 0129262-A 3718 26-APR-2001;
Orchid BioSciences, Inc. (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                           other sequences; artificial sequences.
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oligonucleotide primers
Unpublished
2 (bases 1 to 19)
Akahoshi,E.
                                                                                                                                                                                        2460 CCCTCACCAAGCACTTC 2476
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JP 2001025389-A/3.
unidentified
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synthetic construct
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Best Local Similarity 94.1
Matches 16; Conservative
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TSA7005 gene.
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E52143/c
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AB072189
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OS Unknown
PN 19 2001025389-A/3
PD 30-JAN-2001
PF 15-JUL-1999 JP 1999201279
PF 15-JUL-1999 JP 1999201279
PF TSUYOSHI OGAWARA,MIKIO SUZUKI,KOICHI OZAKI
PC C12N15/09,C07K14/47,C12N1/15,C12N1/19,C12N1/21, PC
C12N5/10//A61K31/00,
PC A61K38/00,A61K48/00,C12P21/02,C12N15/00,C12N5/00,A61K37/02 CC
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1 (bases 1 to 17)

Kozian, D. and Reuner, B.

Two-color differential display as a method for detecting regulated
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Kozian,D. and Reuner,B.
Two-color differential display as a method for detecting regulated
                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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Patent: US 6645741-A 2 11-NOV-2003;
Aventis Pharma Deutschland GmbH; Frankfurt am Main;
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0.6%; Score 15.2; DB 1;
Best Local Similarity 93.8%; Pred. No. 6.2e+02;
Matches 15; Conservative 1; Mismatches 0;
                                                                                                                                                                                                      Location/Qualifiers

    16
    /organism='Unknown'

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Location/Qualifiers
1. 17
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Sequence 2 from patent US 6645741.
AR429726.1 GI:40190064
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    .15
    /organism="unknown"

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Chatelain, F. and Kumarev, V.
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Unclassified.
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AR034895/c
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AR034898
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                                                                                                                                                                                                                                                                                                                 Unclassified.

1 (Dases 1 to 15)

Hirschbein, B.L., Fearon, K.L., Gryaznov, S.M., McCurdy, S.N.,
Nelson, J.S. and Schultz, R.G.
Synthons for synthesis of oligonucleotide N3-P5 phosphoramidates
Patent: US 5859233-A 3 12-JAN-1999;
Location/Qualifiers
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1 (bases 1 to 15)
Hirschbein,B.L., Fearon,K.L., Gryaznov,S.M., McCurdy,S.N.,
Nelson,J.S. and Schultz,R.G.
Synthens for synthesis of oligonucleotide N3-P5 phosphoramidates
Patent: US 5859233-A 4 12-JAN-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                              1. .15
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AR029403.
AR029403.1 GI:5941376
                                                                                                                                                                                                                       AR029402 15 bp
Sequence 3 from patent US 5859233.
AR029402 GI:5941375
                                                  /mol_type="genomic DNA"
             Location/Qualifiers
                           1. .17
/organism≃"unknown"
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PAT 29-SEP-1999
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Chatelain, F. and Kumarev, V.
Process for preparing polynucleotides on a solid support in tightly packed bed
Patent: US 5869643-A 10 09-FEB-1999;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Process for preparing polynucleotides on a solid support in tightly packed bed Patent: US 5869643.A 16 09-FEB-1999; Location/Qualifiers
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1 (bases 1 to 15)

1 (bases 1 to 15)

Reclerc(6, and Martel, R.

Radiolabeled DNA oligonucleotide and method of preparation

Patent: US 5821354-A 2 13-OCT-1998;

Location/Qualifiers
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Sequence 10 from patent US 5869643.
AR034895
AR034895.1 GI:5950500
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/mol_type="unassigned DNA"
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Sequence 16 from patent US 5869643.
AR034898
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Sequence 2 from patent US 5821354.
AR048768.1 GI:5971111
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PAT 29-SEP-1999

RESULT 797

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Unknown.
Unclassified.
Unclassified.
I (bases 1 to 15)
Pecker, I., Vlodavsky, I. and Feinstein, E.
Polynucleotide encoding a polypeptide having heparanase activity and expression of same in transduced cells
Patent: US 596812-A 5 19-0CT-1999;
Location/Qualifiers
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Unclassified.
1 (bases 1 to 15)
Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and
                                                                                                         Unknown.
Unclassified.
1 (bassified.
Grimm, S., Stinchcomb, D.T., McSwiggen, J., Sullivan, S. and Draper, K.G.
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Intercellular adhesion molecule-1 (ICAM-1) ribozymes
Patent: US 5837542-A 362 17-NOV-1998;
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0.5%; Score 15; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 6.2e+02;
Matches 15; Conservative 0; Mismatches 0; Indels
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15 bp Di
Sequence 361 from patent US 5837542.
AR056157
AR056157.1 GI:5981734
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Sequence 362 from patent US 5837542.
AR056158.1 GI:5981735
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Sequence 5 from patent US 5968822.
AR080676
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Hirschbein, B.L., Fearon, K.L., Gryaznov, S.M., McCurdy, S.N.,
Helson, J.S. and Schultz, R.G.
Solid phase synthesis of oligonucleotide N3'-P5' phosphoramidates
Patent: US 5824793-A 4 20-OCT-1998;
                                                                                                                                                                                                                                                                                                                                                                                       Unclassified.

1 (bases 1 to 15)

Hirschbein, B.L., Fearon, K.L., Gryaznov, S.M., McCurdy, S.N.,

Hirschbein, B.L., Fearon, K.L., Gryaznov, S.M., McCurdy, S.N.,

Hirschbein, B.L., Fearon, K.G.

Solid phase synthesis of oligonucleotide N3'-P5' phosphoramidates

Patent: US 5824793-A 3 20-OCT-1998;

Location/Qualifiers
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/mol_type="unassigned DNA"
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AR049971
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Sequence 3 from patent US 5824793.
AR049970
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AR056157/c
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Unclassified.
1 (bases 1 to 15)
Matson,R.S., Coassin,P.J., Rampal,J.B. and Caskey,C.Thomas.
Oligonucleotide repeat arrays
Patent: US 5981185-A 5 09-NOV-1999;
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Matson,R.S., Coassin,P.J., Rampal,J.B. and Caskey,C.Thomas.
Oligonucleotide repeat arrays
Patent: US 5981185-A 9 09-NOV-1999;
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tive 0; Mismatches 0; Indels
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Sequence 5 from patent US 5981185.
AR084516.1 GI:10011287
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AR084520
AR084520.1 GI:10011291
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1 (bases 1 to 15)
Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and
Draper,K.G.
Ribozyme treatment of diseases or conditions related to levels of
intercellular adhesion molecule-1 (ICAM-1)
Patent: US 6132967-A 361 17-OCT-2000;
Location/Qualifiers
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1 (bases 1 to 15)
Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and
Draper,K.G.
Ribozyme treatment of diseases or conditions related to levels of
intercellular adhesion molecule:1 (ICAM-1)
Patent: US 6132967-A 362 17-OCT-2000;
                                                                                                              Unknown.
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/organism="unknown"
/wol_type="unassigned DNA"
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/organism="unknown"
/mol_type="unassigned DNA"
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/wol_type="unassigned DNA"
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GI:12820046
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Polynucleotide encoding polypeptide having heparanase activity and expression of the polypeptide in induced cell
Patent: JP 2001514855-A 5 18-SEP-2001;
INSIGHT STRATEGY & MARKETING LTD, HADASIT MEDICAL RESEARCH SERVICES
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PR 02-SEP-1997 US 08/322170,02-JUL-1998 US 09/109386 PI

IRIS PECKER, JSRABL USDANSKY, PEINSTEIN ELENA

PC CIZNIS/09,A61K38/00,A61P9/10,A61P17/00,A61P29/00,A61P35/00, PC
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Antiviral anticancer poly-substituted phenyl derivatized
oligoribonucleotides and methods for their use
Patent: US 6291438-A 1 18-SEP-2001;
Location/Qualifiers
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            Length 15;
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CC Polynucleotide encoding polypeptide having
heparanase activity
CC axpression of the polypeptide in induced ce
            DB 1; Le
6.2e+02;
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           Query Match 0.5%; Score 15; DB Best Local Similarity 100.0%; Pred. No. 6.2 Matches 15; Conservative 0; Mismatches
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/organism="unknown"
/mol_type="unassigned DNA"
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ARQUENCE 1 from patent US 6291438.
AR170375 GI:17908334
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BD074424.1 GI:22620027
JP 2001514855-A/5.
unidentified
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JP 2001514855-A/5
18-SEP-2001
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Unclassified.
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Synthetic construct
Swynthetic construct
Swynthetic construct
Swynthetic construct
synthetic construct
cother sequences, artificial sequences.

E 1 (bases 1 to 15)
S Montforte, J.A., Becker, C.H., Pollart, D.J. and Shaler, T.A.
Releasable nonvolatile mass-label molecules
Releasable nonvolatile mass-label molecules
L patent: JP 2001524808-A 5 04-DEC-2001;
GENETRACE SYSTEMS INC
OS Artificial Sequence
PN JP 2001524808-A/5
PD 04-DEC-1997 US 1998526924
PR 10-DEC-1997 US 60/033037, 16-MAY-1997 US 60/046719 PI
JOSEPH A MONTFORTE, CHRISTOPHER H BECKER, DANIEL J POLLART, PI
THOWAS A SHALER
THOMAS A SHALER
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Method and detector for identifying subtypes of human papiloma
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C H01d49/00,C07H21/04,C07K15/26,C07K15/28
C Description of Artificial Sequence: oligo dT15 primer FH
Location/Qualifiers
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              /organism='Nucleic acid'
                                                                                                                                                                                                                                                                                                                                                                                                                                    Releasable nonvolatile mass-label molecules.
BD084687.1 GI:22630297
BD0801524608-A/5.
                                                                                                                                                                                   Query Match 0.5%; Score 15; DB 1; L4
Best Local Similarity 100.0%; Pred. No. 6.2e+02;
Matches 15; Conservative 0; Mismatches 0;
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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JP 2002360271-A/647.
synthetic construct
synthetic construct
other sequences; artificial sequences.
1 (bases 1 to 15)

    .15
    /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

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Sequence 13 from Patent WO2004058794. CQ832330. GI:50831954
                                                                                             /mol_type="genomic RNA"
/db_xref="taxon:32644"
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BD209488.1 GI:33019258
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CQ832330/c
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PN JP 20036021-A/647
PD 17-DEC-2002
PF 28-NOV-2001 JP 2001362595
PR 04-MAY-2001 TW 90110785
PI CHING-YEE LING, RUEY-WEN LIN, ZHOU-MENG YOO, XIN-HSUAN HUANG, BOW-PI HARNG LEE,
PI SHENG-HSIUNG LEE, YI-JU LIN, CI-CHUNG HUANG, HAN-CHANG HSU, CHA-PI WAS SHI,
PI CHIH-XIN YEH, YI-FENG CAO, CHIH-LONG PAN
PC C12N15/09, C12N15/09, C12M1/34, C12Q1/04, C12Q1/42, C12Q1/68 PC
C1201/70, G010x13/574, G010x13/58, G010x13/60, C12N15/00
PC G010x13/53, G010x13/574, G010x13/50, C12N1/34, C12N1/34, C12N1/30, C12N1/64, C
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Blatt, L., Mcswiggen, J.A., Roberts, E., Pavco, P.A. and Macejak, D.
Enzymatic nucleic acid treatment of diseases or conditions related
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A61K37/66,
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Ling, C., Lin, R., Yoo, Z., Huang, X., Lee, B., Lee, S., Lin, Y., Huang, C., Huang, C., Yeh, C., Cao, Y. and Pan, C. Method and detector for identifying subtypes of human papiloma tente: Job 2002360271-A 647 17-DEC-2002; KING CAR FOOD INDDETRIAL CO LTD OS Artificial Sequence PN JP 2002360271-A/647
PD 17-DEC-2002
PP 28-NOV-2001 JP 2001362595
PR 04-MAY-2001 TW 90110785
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PR 27-APR-1998 US 60/08317,18-SEP-1998 US 60/100842
25-FEB-1999 US 09/224058,23-MAR-1999 US 09/274553 PI
LAWRENCE BLAIT, JAMES A MCSWIGGEN, ELISABETH ROBERTS, PAMELA A
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Patent: JP 2002512791-A 22 08-MAY-2002;
RIBOZYME PHARMACEUTICALS INC
OS Hepatitis virus (hepatitis C virus)
PN JP 2002512791-A/22
PD 08-MAY-2002
PP 26-APR-1999 JP 2000545991
PR 27-APR-1999 US 60/083217,18-SEP-19
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Enzymatic nucleic acid treatment of diseases or conditions related
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                                                                       Arar, K. Methods and compositions for the tandem synthesis of two or more oligonulectides on the same solid support Patent: WO 2004058794-A 13 15-JUL-2004; Proligo LLC (US)
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A nucleic acid antisense sequence to a polynucleotide encoding
polypeptide having heparanese activity
Patent: EP 1439226-A 5 21-JUL-2004;
Insight Biopharmaceuticals Ltd. (IL); HADASIT MEDICAL RESEARCH
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Antibody directed to polypeptide having heparanase activity
Patent: EP 1439193-A 5.21-JUL-2004;
Insight Biopharmaceuticals Ltd. (IL); HADASIT MEDICAL RESEARCH
SERVICES AND DEVELOPMENT LTD. (IL)
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/noTe="Synthetic Nucleic Acid Ligand"

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Sequence 5 from Patent EP1439193.
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AUTHORS
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JOURNAL
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AUTHORS
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PAT 07-FEB-2005
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PAT 05-JAN-2005
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Bolynucleotide encoding a polypeptide having heparanase activity
and expression of same in transduced cells
Patent: EP 1489183-A 5 22-DEC-2004;
Insight Biopharmaceuticals Ltd. (IL); HADASIT MEDICAL RESEARCH
SERVICES AND Development Ltd. (IL)
Location/Qualifiers
                                                                                                                                                                                                                                                           Gaps
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                                                                        /organism="synthetic construct"
/mol_type="unassigned DNA"
/mol_type="taxon:32630"
/note="Single strand DNA oligonucleotide"
                                                                                                                                                                                                   0.5%; Score 15; DB 1; Length 15;
100.0%; Pred. No. 6.2e+02;
rative 0; Mismatches 0; Indels
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/organism="synthetic construct"
/or_lrype="unassigned DNA"
/db xref="taxon:32630"
/noTe="Single strand DNA oligonucleotide"
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synthetic construct
other sequences; artificial sequences.
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Sequence 336 from Patent EP1502950.
CS002308
SERVICES AND DEVELOPMENT LTD. (IL)
Location/Qualifiers
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Sequence 5 from Patent EP1489183.
CQ971639.1 GI:57163099
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PAT 05-MAY-2005

CS002310/c DEFINITION

LOCUS

RESULT 818

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ORGANISM

REFERENCE

JOURNAL

FEATURES

ACCESSION VERSION KEYWORDS

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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
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PR 01-MAY-2002 KR T/KR02/00816,08-DEC-2001 KR T/KR01/02133
Zhong-yun chong
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Location/Qualifiers.
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Patent: JP 2005511096-A 54 28-APR-2005;
Seegene Inc
OS Artificial Sequence
PN JP 2005511096-A/54
PD 28-APR-2005
PF 19-SEP-2002 JP 2003551326
PR 01-MAY-2002 KR T/KR02/00816.08-NFC-2007
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Novel antisense oligomers and use thereof
Patent: WO 2005033694-A 1 14-APR-2005;
Universiteit Gent (Gent Gent Conton) Location/Qualifiers
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ilarity 100.0%; Pred. No. 6.2e+02;
Conservative 0; Mismatches 0;

    .15
    Organism="synthetic construct"
|mol_type="unassigned DNA"
|db_xref="taxon:32630"

                                                                                                                                                              CS074138 15 bp DNA Sequence 1 from Patent W02005033694. CS074138 GI:63090745
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synthetic construct
other sequences; artificial sequences.
1 (bases 1 to 15)
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/mol_type="unassigned DNA"
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JP 2005511096-A/54.
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                     Hominidae; Homo.
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Matches 15; Conserval
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Method for detecting analytes based on evanescent illumination and scatter-based detection of nanoparticle probe complexes
Patent: WO 2005008222-A 18 27-JAN-2005;
                                                                                   Gaps
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                                      Query Match 0.5%; Score 15; DB 1; Length 15; Best Local Similarity 100.0%; Pred. No. 6.2e+02; Matches 15; Conservative 0; Mismatches 0; Indels
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Method for purifying chemically modified RNA
Patent: EP 1502950-A 338 02-FEB-2005;
Ribozyme Pharmaceuticals, Inc. (US)
Location/Qualifiers
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0.5%; Score 15; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 6.2e+02;
Matches 15; Conservative 0; Mismatches 0;

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    /organism="synthetic construct"

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CS040833
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CS002310

    .15
/organism="unidentified"
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/db_xref="taxon:32630"
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/db_xref="taxon:32644"
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synthetic construct
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DEFINITION

RESULT 819

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CS048833

ACCESSION VERSION KEYWORDS

ORGANISM

SOURCE

REFERENCE AUTHORS

TITLE

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PAT 23-NOV-2005

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ACCESSION VERSION KEYWORDS SOURCE ORGANISM TITLE JOURNAL

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RESULT 822

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Gaps

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PAT 06-FEB-1997

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Unknown.
Unclassified.
1 (bases 1 to 15)
Cook, P.D., Delecki, D.J. and Guinosso, C.
Acyclic nucleoside analogs and oligonucleotide sequences containing
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Unclassified.
1 (bases 1 to 15)
Cook, P. D. and Sanghvi, Y. S.
Nuclease resistant, pyrimidine modified oligonucleotides that detect and modulate gene expression
Patent: US 5614617-A 1 25-MAR-1997;
                                                                                                                     /organism='Artificial sequences'. Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 6.2e+02;
Matches 15; Conservative 0; Mismatches 0;
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 6 from patent US 5576427.
129068.1 GI:1819859
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Patent: US 5576427-A 6 19-NOV-1996;
Location/Qualifiers
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Sequence 1 from patent US 5614617.
138641

    .15
    /organism="unidentified"
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    /db_xref="taxon:32644"

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/organism="unknown"
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C12R1:19);
strandedness: Single;
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                                   topology: Linear;
hypothetical: No;
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None
OC Artificial sequences.

None
OC Artificial sequences.

None
OC Artificial sequences.

None
OC Artificial sequences.

PN 19194335399-A/7

PD 06-DBC-1994

PF 27-MAY-1993 JP 1993126286

PI TRI ITSUIRU, NAKADA KENGO, ITO TORU, HORIUCHI HIROYUKI, PI
OTA AKINORI.

PI TAKAGI MASAMICHI, TSUBURA HIROKAZU, TANAKA HIROSHI, PI
ISHIGURO YUKIO
PC C12N9/22,C12N1S/52;
CC strandedness: Single;
CC topology: Linear;
FH Key
Location/Qualifiers
FT Source

| Jorganism='Artificial sequences'.
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                                                                                          PAT 29-SEP-1997
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                                                                                                                                                                                                                                   1 (bases 1 to 15)
Tei,I., Nakada,K., Ito,T., Horiuchi,H., Ota,A., Takagi,M.,
Tsubura,H., Tanaka,H. and Ishiguro,Y.
S-RIBONUCLBASE SPECIFIC TO STYLE AND DNA SEQUENCE CODING THEREFOR
Patent: JP 1994335389-A 7 06-DEC-1994;
KAGOME CO LTD
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sm unidentified
unidentified
unclassified sequences.
E 1 (bases 1 to 15)
S Tei,I., Minami, K. and Takagi, M.
5. Tei,I., Minami, K. and Takagi, M.
5. RIBONUCHEASE GENE AND PROWOTER SEQUENCE
5. RIBONUCHEASE GENE AND PROWOTER SEQUENCE
6. None
6. None
7. None
7. None
8. None
8. None
9. None
9. Artificial sequences.
9. None
9. Artificial sequences.
9. None
1. 1995.02838.-A/8
9. 04-FEB-1997
9. 1995187557
9. TEI ITSUKIYON, MINAMI KOUKICHI, TAKAGI MASAMICHI PC
C12N15/09,C07H21/04,C12N1/21//A01H1/00,C12N5/10,C12N9/22, PC
(C12N15/09)
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/organism='Artificial sequences'.
Location/Qualifiers
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/db_xref="taxon:32644"
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E08522
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primer.
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Bource

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PAT 13-MAY-1997

DEFINITION ACCESSION VERSION KEYWORDS SOURCE

ORGANISM

AUTHORS TITLE JOURNAL

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REFERENCE

RESULT 823 E12591/c

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DEFINITION ACCESSION VERSION KEYWORDS

SOURCE ORGANISM

REFERENCE AUTHORS

TITLE

source

JOURNAL

FEATURES

RESULT 826 AR200476/c

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LOCUS

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Unclassified.

1 (bases 1 to 15)

McClelland,M., Welsh,J. and Trenkle,T.

Reduced complexity nucleic acid targets and methods of using same Patent: US 6495319-A 68 17-DEC-2002;
Sidney Kimmel Cancer Center; San Diego, CA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 0.5%; Score 15; DB 1; Length 15; Best Local Similarity 100.0%; Pred. No. 6.2e+02; Matches 15; Conservative 0; Mismatches 0; Indels
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 Unknown.

Unclassified.

E 1 (bases 1 to 15)

S Kurz,M., Lohse,P. and Wagner,R.

Feptide acceptor ligation methods

Patent: US 6429300-A 21 06-AUG-2002;

Phylos, Inc.; Lexington, MA

Location/Qualifiers

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AR371280
AR371280.1 GI:34608212
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Sequence 68 from patent US 6495319.
AR266630.1 GI:29695694
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Buchardt,O., Egholm,M., Nielsen,P.E. and Berg,R.H.
Use of nucleic acid analogues in diagnostics and analytical
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1 (bases 1 to 15)

Buchardt,O., Egholm,M., Nielsen,P.E. and Berg,R.H.
Use of nucleic acid analogues in diagnostics and analytical
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; Mismatches 0;
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Patent: US 6357163-A 20 19-MAR-2002;
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Sequence 21 from patent US 6429300.
AR222461. GI:23329992
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Location/Qualifiers
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AR200476
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Sequence 20 from patent US 6357163.
AR200477
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Matches 15; Conservative 0;
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RESULT 827 AR200477 LOCUS

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PAT 12-SEP-2003

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RESULT 828

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AR222461

PAT 10-APR-2003

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PAT 20-FEB-2004

Matches

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RESULT 831 AR371281 LOCUS DEFINITION

ACCESSION VERSION

AUTHORS TITLE JOURNAL

FEATURES

REFERENCE

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1 (bases 1 to 15)
Pecker, I., Vlodavsky, I. and Peinstein, E.
Polynuclectide encoding a polypeptide having heparanase activity and expression of same in genetically modified cells
Patent: US 664105-A 5 16-DEC-2003;
Insight Strategy & Marketing Ltd. and Hadasit Medical Research Services and Development Ltd.; Rehovot;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Unknown.
Unclassified.
Unclassified.
(bases 1 to 15)
Goldshmidt,O., Pecker,I., Vlodavsky,I., Michal,I. and Zcharia,E.
Goldshmidt,O., Pecker,I., Vlodavsky,I., Michal,I. and Scharia,E.
Avian and reptile derived polynucleotide encoding a polypeptide
having heparanase activity
Patent: VS 6677137-A 5 13-JAN-2004;
Insight Strategy & Marketing Ltd. and Hadesit Medical Research
Services and Development Ltd.; Rehovot;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Reagents for oligonucleotide cleavage and deprotection Patent: US 6664388-A 2 16-DEC-2003; Applera Corporation; Foster City, CA Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 6.2e+02;
Matches 15; Conservative 0; Mismatches 0;
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Sequence 2 from patent US 6664388.
AR439678
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Sequence 5 from patent US 6677137.
AR452072 GI:42683499
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/mol_type="genomic DNA"
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/organism="unknown"
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Monforte, J.A., Becker, C.H., Pollart, D.J. and Shaler, T.A.
Releasable nonvolatile mass label molecules
Patent: US 535452-A 9 21-OCT-2003;
Sequenom Inc.; San Diego, CA
Location/Qualifiers
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Buchardt,O., Egholm,M., Nielsen,P.E. and Berg,R.H.
Peptide nucleic acids
Patent: US 6395474-A 18 28-MAY-2002;
Location/Qualifiers
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Sequence 18 from patent US 6395474.
AR371281.1 GI:34608213
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Sequence 5 from patent US 6664105.
AR438809
AR438809.1 GI:42663812
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AR410213
AR410213.1 GI:40161460
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RESULT 832 AR410213/c

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RESULT 833 AR438809/c

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PAT 20-FEB-2004

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Unclassified.

Unclassified.

Unclassified.

Pecker,I., Vlodavsky,I. and Feinstein,E.

Pecker,I., Vlodavsky,I. and Peinstein,E.

Polynucleotide encoding a polypeptide having heparanase activity and expression of same in genetically modified cells Patent: US 6790658-A 14-SEP-2004;

InSight Biopharmaceuticals Ltd., and Hadasit Medical Research Services and Development Ltd.; Rehovot;
                          Unknown.
Unclassified.
1 (bases 1 to 15)
Buchardt,0., Buchardt,D., Egholm,M., Nielsen,P.E. and Berg,R.H.
Synthetic procedures for peptide nucleic acids
Patent: US 6713602-A 17 30-MAR-2004;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Unclassified.
Unclassified.
1 (bases 1 to 15)
Buchardt, O., Buchardt, D., Egholm, M., Nielsen, P.E. and Berg, R.H.
Synthetic procedures for peptide nucleic acids
Patent: US 6713602-A 18 30-MAR-2004;
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Sequence 18 from patent US 6713602.
AR491113.1 GI:47258973
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Sequence 5 from patent US 6790658.
AR581375 GI:56612224
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AR581375/c
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Buchardt,O., Egholm,M., Nielsen,P.E. and Berg,R.H.
Peptide nucleic acid synthons
Patent: US 6710163-A 17 23-MAR-2004;
Location/Qualifiers
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                              Query Match 0.5%; Score 15; DB 1; Length 15; Best Local Similarity 100.0%; Pred. No. 6.2e+02; Matches 15; Conservative 0; Mismatches 0; Indels
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Buchardt,O., Egholm,M., Nielsen,P.E. and Berg,R.H.
Peptide nucleic acid synthons
Patent: US 6710163-A 18 23-MAR-2004;
Location/Qualifiers
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Sequence 17 from patent US 6710163.
AR489501. GI:47256526
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AR489502
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RESULT 837 AR489502

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I (bases 1 to 15)

Uhlmann, E. and Breipohl, G.
Polyamide-oligonucleotide derivatives, their preparation and use patent: US 6319441-A 55 19-UUL-2005;
Aventis Pharma Deutschland GmbH; Frankfurt;
DEX;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Unknown.
Unclassified.
1 (bess 1 to 15)
Uhlmann,E. and Breipohl,G.
Polyamide-oligonucleotide derivatives, their preparation and use patent: US 6919441-A 54 19-UUL-2005;
Aventis Pharma Deutschland GmbH; Frankfurt;
DEX;
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Sequence 55 from patent US 6919441.
AR699884.1 GI:75205795
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Unclassified.

L (bases 1 to 15)

R Chatelain, F. and Kumarev, V.

Apparatus for preparing polynucleotides on a solid support

Apparatus 6825339-A 16 30-NOV-2004;

Proligo, LLC; Boulder, CO

Proligo, LLC; Boulder, CO

Location/Qualifiers
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L (bases 1 to 15)
Chatelain,F. and Kumarev,V.
Apparatus for preparing polynucleotides on a solid support
Pacent: US 6825339-A 10 30-NOV-2004;
Proligo, LLC; Boulder, CO
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Sequence 10 from patent US 6825339.
AR612295.1 GI:56667949
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Sequence 16 from patent US 6825339.
AR612298
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Sequence 4 from patent US 6841662.
AR630722 GI:59766677
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/organism="unknown"
/mol_type="genomic DNA"
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DEFINITION ACCESSION VERSION KEYWORDS

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RESULT 846 AR723998/c

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PAT 08-DEC-2005

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I (bases I to 15)

Efimov, V., Fernandez, J., Archdeacon, D., Archdeacon, J.,
Chakhmakhcheva, O., Buryakova, A., Choob, M. and Hondorp, K.
Oligonucleotide analogues, methods of synthesis and methods of use
Patent: US 6962906-A 10 08-NOV-2005;
Active Motif; Carlsbad, CA
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Bayer, E. and Schewitz, J.
Method for isolating anionic organic substances from aqueous systems using cationic polymer nanoparticles
Patent: WO 9910277.4 6 04-WAR-1999;
SUBDDEUTSCHE KALKSTICKSTOFF (DE); BAYER ERNST (DE)
Location/Qualifiers
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="3' palmityl modified oligonucleotide"
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Sequence 10 from patent US 6962906.
AR762891
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AX004877.1 GI:9928277
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/mol_type="genomic DNA"
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Pecker,I., Vlodavsky,I. and Feinstein,E.
Polynucleotide encoding a polypeptide having heparanase activity and expression of same in genetically modified cells
Patent: US 6960471.A 5 01-NOV-2005;
InSight Biopharmaceuticals Ltd. and Hadasit Medical Research Services and Development Ltd.; Rehovot;
                                                                                                                                                                                                                                                                                                                                                 1 (bases 1 to 15)
Dempcy,R.O., Afonina,I.A. and Vermeulen,N.M.J.
Hybridization-triggered fluorescent detection of nucleic acids
Patent: US 04-0CT-2005;
Epoch Biosciences, Inc.; Bothell, WA
Location/Qualifiers
                                                                   Gaps
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AR723998
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AR760731.
AR760731.1 GI:83328580
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/mol_type="genomic DNA"
/mol_type="genomic DNA"
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Matches 15, Conservative
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DEFINITION ACCESSION VERSION KEYWORDS

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Schmidt,W., Hiller,R., Huber,M. and Mueller,M.
Branched compound for use in nucleic acid detection and analysis
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Branched compound for use in nucleic acid detection and analysis
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Patent: EP 1111068-A 4 27-JUN-2001;
LION Bioscience AG (DE) ; VBC Genomics GmbH (AT)
Location/Qualifiers
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Patent: EP 1111068-A 3 27-JUN-2001;
LION Bioscience AG (DE) ; VBC Genomics GmbH (AT)
Location/Qualifiers
Query Match 0.5%; Score 15; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 6.2e+02;
Matches 15; Conservative 0; Mismatches 0;
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/mol_type="unassigned DNA"
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Sequence 4 from Patent EP1111068.
AX127273 GI:14133347
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Sequence 3 from Patent EP1111068.
AX127272 4X127272.1 GI:14133346
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Detection system for separating constituents of a sample and production and use of the same
Patent: WO 007147-A 6 30-NOV-2000;
Aventis Research & Technologies GmbH & Co. KG (DE)
Location/Qualifiers
  Coffea arabica mannanase
Patent: WO 0028046-A 4 18-MAY-2000;
NESTLE SA (CH); MARRACCINI PIERRE (FR); ROGERS JOHN (FR)
Location/Qualifiers
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/db_xref="taxon:32630"
/note="oligo dA"
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Sequence 26 from Patent WO0125442.
AX106973
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Sequence 6 from Patent WO0071747.
AX048407
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PAT 30-MAY-2001

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VERSION KEYWORDS

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PAT 21-JUN-2002

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Kahmann, S. and Mueller, O.
Methods for detecting mutations
Patent: WO 0206667-A 1 29-AUG-2002;
Max-Planck-Gesellschaft zur Foerderung der Wissenschaften e.V. (DE)
Location/Qualifiers
                                                                                                                                                                                                              Schubart, D., Habenberger, P., Stein-Gerlach, M. and Bevec, D. Cellular kinases involved in cytomegalovirus infection and their inhibition
Patent: EP 1201765-A 1 02-MAY-2002;
Axxima Pharmaceuticals Aktiengesellschaft (DE)
Location/Qualifiers
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/note="lys-Biotin"
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Sequence 1 from Patent WO02066675.
AX525141
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Sequence 3 from Patent WO02066675.
AX525143 GI:25170128
                                                       AX429224 15 bp Sequence 1 from Patent EP1201765. AX429224
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Modification is (NH2-C6-TTT)2-branch-"
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Modification is (dT-COOH)2-branch-"
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Branched compound for use in nucleic acid detection and analysis
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Branched compound for use in nucleic acid detection and analysis
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Patent: WO 0146464-A 4 28-JUN-2001;
LION Bioscience AG (DE)
Location/Qualifiers
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LION Bioscience AG (DE)
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Sequence 4 from Patent WO0146464.
AX180141
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Sequence 3 from Patent WO0146464.
AX180140
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Best Local Similarity 100.0%; P
Matches 15; Conservative 0;
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Matches 15; Conservative
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Method and reagent for inhibiting the expression of disease related
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100.0%; Pred. No. 6.2e+02;
ttive 0; Mismatches 0;
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Polynucleotide 6"
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/organism="synthetic construct"
/mol type="unassigned RNA"
/db_xref="taxon:32630"
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Patent: EP 1260586-A 338 27-NOV-2002;
RIBOZYME PHARMACEUTICALS, INC. (US)
Location/Qualifiers
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Sequence 6 from Patent WO03008643.
AX696087
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                            Kahmann, S. and Mueller, O.
Methods for detecting mutations
Patent: WO 02066675-A 3 29-AUG-2002;
Max-Planck-Gesellschaft zur Foerderung der Wissenschaften e.V. (DE)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Stinchcomb, D.T., Dudycz, L.W., Chowrira, B., Grimm, S., Direnzo, A., Karpeisky, A., Draper, K.G., Kisich, K., Matulic-Adamic, J., Mcswiggen, J.A., Modak, A., Pavco, P., Beigelman, L., Sullivan, S.M., Swedler, D., Thompson, J.D., Tracz, D., Usman, N., Wincott, F.E. and
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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other sequences; artificial sequences
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RIBOZYME PHARMACEUTICALS, INC. (US)
Location/Qualifiers
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    .15
    /organism="unidentified"
    /mol_type="unassigned RNA"
    /db_xref="taxon:32644"

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Sequence 338 from Patent EP1260586.
AX633199.1 GI:28468813
                                                                                                                                                                                      /note="lys-Digoxigenin"
                                                                                                  Location/Qualifiers
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AX633197/c
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100.0%; Pred. No. 6.2e+02;
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Williams, K.Leslie., Vesey, G., Veal, D., Ashbolt, N. John. and
Dorsch, M.
Method for the detection of viable Cryptosporidium parvum oocysts
Patent: US 6146855-A 2 14-NOV-2000;
Location/Qualifiers
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Unclassified.
Unclassified.
I (bases to 16)
Kutyavin.I.V., Lukhtanov,E.A., Gamper,H.B. and Meyer,R.B. Jr.
Covalently linked oligonucleotide minor groove binder conjugates
Patent: US 6426408-A 3 30-JUL-2002;
Epoch Biosciences, Inc.; Bothell, WA
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Best Local Similarity 100.0%; Pred. No. 6.2e+02;
Matches 15; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                 /mol_type="unassigned DNA"
                                                                                                                                                     Sequence 2 from patent US 6146855.
AR141562
AR141562.1 GI:15101078
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Sequence 3 from patent US 6426408.
AR221693.1 GI:23328765
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/organism="unknown"
/mol_type="genomic DNA"
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Unclassified.
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AR141562/c
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AR221694/c
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FEATURES
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AR221693/c
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Unclassified.
Unclassified.
I (bases I to 16)
Kutyavin,I.V., Lukhtanov,E.A., Gamper,H.B. and Meyer,R.B. Jr.
Covalently linked oligonucleotide minor groove binder conjugates
Patent: US 6426408-A 5 30-JUL-2002;
Patent: US 6426408-A 5 30-JUL-2002;
Epoch Biosciences, Inc. Bothell, WA
Location/Qualifiers
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Unclassified.
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I (bases 1 to 16)
Kutyavin,I.V., Lukhtanov,B.A., Gamper,H.B. and Meyer,R.B. Jr.
Covalently linked oligonucleotide minor groove binder conjugates
Parent: US 6426408-A 6 30-JUL-2002;
Epoch Biosciences, Inc. 3 Bothell, WA
Location/Qualifiers
Unknown.
Unclassified.

Unclassified.

1 (bases 1 to 16)

Kutyavin,I.V., Lukhtanov,E.A., Gamper,H.B. and Meyer,R.B. Jr.

Covalently linked oligonuclectide minor groove binder conjugates

Patent: US 6426408-A 4 30-JUL-2002;

Epoch Biosciences, Inc.; Bothell, WA
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Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 15; Conservative 0; Mismatches 0;
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Sequence 6 from patent US 6426408.
AR221696
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Sequence 5 from patent US 6426408
AR221695
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/mol_type="genomic DNA"
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/wol_type="genomic DNA"
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/mol_type="genomic DNA"
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AR257440/c
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Kutyavin,I.V., Lukhtanov,E.A., Gamper,H.B. and Meyer,R.B. Jr.
Covalently linked oligonuclectide minor groove binder conjugates
Patent: 18 64264408-A 8 30-JUL-2002,
Epoch Biosciences, Inc.; Bothell, WA
Location/Qualifiers
                                                                                                                                                                                                                                                 I (bases I to 16)
Kutyavin, I.V., Lukhtanov, E.A., Gamper, H.B. and Meyer, R.B. Jr.
Covalently linked oligonuclectide minor groove binder conjugates
Patent: US 6426408-A 7 30-JUL-2002,
Epoch Biosciences, Inc.; Bothell, WA
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100.0%; Pred. No. 6.4e+02;
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Sequence 7 from patent US 6426408.
AR221697.
AR221697.1 GI:23328769
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AR221698.
AR221698.1 GI:23328770
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Sequence 3 from patent US 6486308.
AR257438 GI:27307449
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/organism="unknown"
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Matches 15; Conservative
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AR221698/c
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AR257438/c
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1 (bases 1 to 16)
Kutyavin,I.V., Lukhtanov,E.A., Gamper,H.B. and Meyer,R.B. Jr.
Covalently linked oligonucleotide minor groove binder conjugates
Patent: 105 6486308-A 3 26-NOV-2002;
Epoch Biosciences, Inc.; Bothell, WA
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    [ [bases | to 16]
Kutyavin, I.V., Lukhtanov, E.A., Gamper, H.B. and Meyer, R.B. Jr.
Covalently linked oligonucleotide minor groove binder conjugates
Patent: US 6486308-A 4 26-NOV-2002;
Epoch Biosciences, Inc.; Bothell, WA
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Kutyavin, I.V., Lukhtanov, E.A., Gamper, H.B. and Meyer, R.B. Jr.

Covalently linked oligonucleotide minor groove binder conjugates

Patent: US 6486108-A 5 26-NOV-21002;

Epoch Biosciences, Inc., Bothell, WA

Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 15; Conservative 0; Mismatches 0;
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Sequence 5 from patent US 6486308.
AR257440 GI:27307451
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    16
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    /mol_type="genomic DNA"

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PAT 07-0CT-2005

DEFINITION AR257441/c

RESULT 874

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ACCESSION VERSION

ORGANISM

KEYWORDS SOURCE

AUTHORS JOURNAL

TITLE

FEATURES

REFERENCE

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Unknown.
Unclassified.
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Unclassified.
I (bases I to 16)
Fatent: US 6486308-A 8 26-NOV-2002;
Fatent: US 6486308-A 8 26-NOV-2002;
Epoch Biosciences, Inc.; Bothell, WA
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Agadu, T., Sugita, Y., Kashiwabara, T., Oshida, T., Obayashi, M., Magadu, T., Sugita, Y., Kashiwabara, T., Oshida, T., Obayashi, I., Imai, Y., Yoshida, N., Ogawa, K., Matsui, K., Takahashi, E. and Yokoi, A.
795, a novel gene related to pollen allergy Gener related to pollen allergy Gener Robes T. NGOV-2000; GENOX RESEARCH INC, TAKESHI NAGASU, YUJI SUGITA, TOMOKO KASHIWABARA, TABAHIRO OSHIDA, MASAYA OBAYASHI, SHIGEMICHI GUNJI, IZUMI OBAYASHI, YUKIHO IMAI, NEI YOSHIDA, KAORU OGAWA, KEIKO MATSUI, EIKI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 (bases 1 to 16)
Dempcy,R.O., Afonina,I.A. and Vermeulen,N.M.J.
Hybridization-triggered fluorescent detection of nucleic acids
Patent: US 6951930-A 20 04-OCT-2005;
Epoch Biosciences, Inc.; Bothell, WA
Location/Qualifiers
                                                                                                                                                                                                                                                     0.5%; Score 15; DB 1; Length 16;
100.0%; Pred. No. 6.4e+02;
cive 0; Mismatches 0; Indels
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of ther sequences; artificial sequences.
1 (bases 1 to 17)
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Sequence 20 from patent US 6951930.
AR723995.1 GI:77377019
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OS Artificial Sequence
PN WO 0065050-A/3
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AR723995/c
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BD011731/c
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1 (bases 1 to 16)

Kutyavin, I.V., Lukhtanov, B.A., Gamper, H.B. and Meyer, R.B. Jr.

Covalently linked oligonucleotide minor groove binder conjugates
Patent: US 6486308-A 6 26-NOV-2002;

Epoch Biosciences, Inc.; Bothell, WA

Location/Qualifiers
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L (bases 1 to 16)
Kutyavin,I.V., Lukhtanov,E.A., Gamper,H.B. and Meyer,R.B. Jr.
Covalently linked oligonuclectide minor groove binder conjugates
Patent: US 6486308-A 7 26-NOV-2002;
Epoch Biosciences, Inc.; Bothell, WA
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100.0%; Pred. No. 6.4e+02;
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   Pred. No. 6.4e+02;
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Sequence 6 from patent US 6486308.
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Sequence 7 from patent US 6486308.
AR257442
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Sequence 8 from patent US 6486308
AR257443
AR257443.1 GI:27307454
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Best Local Similarity 100.0%; P. Matches 15; Conservative 0;
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AR257441.1 GI:27307452
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ORGANISM

AUTHORS JOURNAL

PEATURES

REFERENCE

ACCESSION VERSION KEYWORDS SOURCE

DEFINITION

RESULT 875 AR257442/c

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ACCESSION VERSION

KEYWORDS

RESULT 876 AR257443/c

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FEATURES

Query Match Best Local S: Matches 15

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COMMENT

REFERENCE AUTHORS

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I (Bagau, T., Sugita, Y., Kashiwabara, T., Oshida, T., Obayashi, M.,
Gunji, S., Obayashi, I., Imai, Y., Yoshida, N., Ogawa, K. and Matsui, K.
dunji, S., Obayashi, I., Imai, Y., Yoshida, N., Ogawa, K. and Matsui, K.
441, a novel gene related to pollen allergy
Patent: WO 0073435-A 3 07-DEC-2000,
GENOX RESEARCH INC, TAKESHI NAGASU, YUJI SUGITA, TOMOKO KASHIWABARA,
TADAHIRO OSHIDA, MASAYA OBAYASHI, SHIGEMICHI GINJI, IZUMI OBAYASHI,
YUKIHO IMAI, NEI YOSHIDA, KAORU OGAWA, KEIKO MATSUI
OS Artificial Sequence
PN WO 0073435-A/3
PD 07-DEC-2000
PF 18-MAY-1999 JP 99P 148783
PI TAKESHI NAGASU, YUJI SUGITA, TOMOKO KASHIWABARA, TADAHIRO OSHIDA,
PI MASAYA OBAYASHI, SHIGEMICHI GUNJI, IZUMI OBAYASHI, YUKIHO IMAI,
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C12N15/10, C12Q1/68, G01N33/15, G01N33/50
Description of Artificial Sequence: Artificially Synthesized CC
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Patent: WO 0073435-A 4 07-DEC-2000;
GENOX RESEARCH INC, TAKESHI NAGASU, YUJI SUGITA, TOMOKO KASHIWABARA,
TADAHIRO OSHIDA, MASAYA OBAYASHI, SHIGEMICHI GUNJI, IZUMI OBAYASHI,
YUKIHO IMAI, NEI YOSHIDA, KAORU OGAWA, KEIKO MATSUI
OS Arrificial Sequence
NO 0073435-A/4
PD 07-DEC-2000
PF 18-MAY-2000 WO 2000JP003190
PR 27-MAY-1999 JP 99P 148783
PR 27-MAY-1999 JP 99P 148783
PR 27-MAY-1999 JP 99P 148783
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441, a novel gene related to pollen allergy.
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to pollen allergy.
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Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 15; Conservative 0; Mismatches 0;
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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27-APR-1999 JP 99P 120494
TAKESHI NAGASU, YUJI SUGITA, TOMOKO KASHIWABARA, TADAHIRO OSHIDA, MASAYA OBNYASHI, SHIGEMICHI GUNJI, IZUMI OBAYASHI, YUKIHO IMAI,
02-NOV-2000
26-ARR-2000 WO 2000JP002734
27-APR-1999 JP 99P 120494
TARESHI NAGASU, YUJI SUGITA, TOWOKO KASHIWABARA, TADAHIRO OSHIDA,
MASAYA OBAYASHI, SHIGEMICHI GUNJI, IZUMI OBAYASHI, YUKIHO IMAI,
                                                                                                                                                                                                                                                               Description of Artificial Sequence: Artificially Synthesized
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PD 02-NOV-2000
PF 26-APR-1999 U 2000JP002734
PR 27-APR-1999 JP 99P 120494
PR 27-APR-1999 JP 99P 120494
PR 17AKESHI NAGASU, YUJI SUGITA, TOMOKO KASHIWABARA, TADAHIRO CP 1 MASAYA OBAYASHI, SHIGEMICHI GUNJI, IZUMI OBAYASHI, YUKIHO JP 1 KAORU OGAMA, KEIKO MATSUI, EIKI TAKAHASHI, AKIRA YOKOI PC (120115)12, CO7K14/47, CO7K16/18, C12Q1/68, G01N33/50//A61K31/00, CC Description of Artificial Sequence: Artificially Synthesi
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795, a novel gene related to pollen allergy.
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Local Similarity 100.0%; Pred. No. 6.7e+02;
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/db xref="taxon:32630"
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    ^organism="synthetic construct"
/mol_type="genomic DNA"
    /db_xref="taxon:32630"

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JOURNAL
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WO 0073439-A/3.
Synthetic construct
construct
other sequences; artificial sequences.

I (bases 1 to 17)
Sagasu.T., Sugita,Y., Kashiwabara,T., Oshida,T., Obayashi,M.,
Gunji,S., Obayashi,I., Imai,Y., Yoshida,N., Ogawa,K., Matsui,K.,
Takahashi,E. and Yokoi,A.
Gunji,S., Opayashi,I., Imai,Y., Yoshida,N., Ogawa,K., Matsui,K.,
Takahashi,E. and Yokoi,A.
GENOX RESEARCH INC,TAKESHI NAGASU,YUJI SUGITA,TOMOKO KASHIWABARA,
TADAHIRO OSHIDA,MASATA OBAYASHI,SHIGEMICHI GUNJI,IZUMI OBAYASHI,
YUKIHO IMAI,NEI YOSHIDA,KAORU OGAWA,KEIKO MATSUI,EIKI
TAKAHASHI,AKIRA YOKOI
OS Artificial Sequence
PN WO 0073439-A/3
PD 07-DEC-2000
PF 18-MAY-2000 WO 2000JP003191
PR 27-MAY-1999 JP 99P
PR 18-MAY-2000 WO 2000JP003191
PR 27-MAY-1999 JP 99P
PI MASARA OBAYASHI,SHIGEMICHI GUNJI,IZUMI OBAYASHI,YUKIHO IMAI,
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                                KAORU OGAWA, KEIKO MATSUI
C12N15/10, C12Q1/68, G01N33/15, G01N33/50
Description of Artificial Sequence: Artificially Synthesized
Primer Sequence
MASAYA OBAYASHI,SHIGEMICHI GUNJI,IZUMI OBAYASHI,YUKIHO IMAI.
NEI YOSHIDA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Artificial Sequence
PN WO 0073439-A/3
PD 07-DEC-2000
PF 18-MAY-1999 19 P99P 148784
PI TAKESHI NAGASU, YUJI SUGITA, TOMOKO KASHIWABARA, TADAHIRO OSH
PI MASAYA OBAYASHI, SHIGEMICHI GUNJI, IZUMI OBAYASHI, YUKIHO IMA
PI KAORU OGAMA, KEIKO MATSUI, EIKI TAKAHASHI, AKIRA YOKOI PC
C12N15/12, C12Q1/68, A61P37/08, A61K39/36, A61K45/00 CC
C12N15/12, C12Q1/68, A61P37/09, A61K39/36, A61K45/00 CC
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465, a novel gene related to pollen allergy.
BD091751
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Pred. No. 6.7e+02;
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Best Local Simi
Matches 15;
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VERSION
KEYWORDS
SOURCE
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AUTHORS
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JOURNAL
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PAT 27-AUG-2002

linear

DNA

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17

BD091752

RESULT 883 BD091752/c LOCUS

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synthetic construct

synthetic construct

synthetic construct

other sequences; artificial sequences.

CE 1 (bases 1 to 17)

Nagsau, T., Sugita, Y., Kashiwabara, T., Oshida, T., Obayashi, M.,

Gunji, S., Obayashi, I., Imai, Y., Yoshida, N., Ogawa, K., Matsui, K.,

Takahashi, E. and Yokoi, A.

Takahashi, E. and Yokoi, A.

Takahashi, E. and Yokoi, A.

GENOX RESEARCH INC, TAKESHI NAGASU, YOUI SUGITA, TOMOKO KASHIWABARA,

TADAHIRO OSHIDA, MASAYA OBAYASHI, SHIGEMICHI GINJI IZUMI OBAYASHI,

YUKIHO IMAI, NEI YOSHIDA, KAORU OGAWA, KEIKO MATSUI, EIKI

TAKAHASHI, AKIRA YOKOI

OS Artificial Sequence

PN WO 0073439-A/4

PD 07-DEC-2000

PF 18-MAY-2000 WO 2000JP003191

PR 27-MAY-1999 JP 99P 148784

PI TAKESHI NAGASU, YUJI SUGITA, TOMOKO KASHIWABARA, TADAHIRO OSHIDA,

PI NEESHI NAGASU, YUJI SUGITA, TOMOKO KASHIWABARA, TADAHIRO IMAI,

PI NEI YOSHIDA,

PI NEI YOSHIDA,
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Chaeses artificial sequences.

Chaeses artificial sequences.

Sagasu, T., Sugita, Y., Kashiwabara, T., Oshida, T., Obayashi, M., Ganji, S., Obayashi, T., Imai, Y., Yoshida, N., Ogawa, K., Matsui, K., Takahashi, E. and Yokoi, A.

787, a novel gene related to pollen allergy

Patent: WO 0073440-A 3 07-DEC-2000;

GENOX RESEARCH INC, TAKESHI NGARSU, YUJI SUGITA, TOWOKO KASHIWABARA,
TADAHIRO OSHIDA, MASAYA OBAYASHI, SHIGEMICHI GUNJI, IZUMI OBAYASHI,
TAKAHASHI, AKIRA YOKOI

OS Artificial Sequence

N WO 0073440-A/3

PD 07-DEC-2000

PF 18-MAY-1999 JP 99P 148785

PI TAKESHI NAGASU, YUJI SUGITA, TOWOKO KASHIWABARA, TADAHIRO OSHIDA,
PI MASAYA OBAYASHI, SHIGEMICHI GUNJI, IZUMI OBAYASHI, YUKIHO IWAI,
PI NEI YOSHIDA,
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Artificial Sequence

No 0073439-A/4

PD 07-DEC-2000

PF 18-MAY-1999 JP 99P 148784

PI TAKESHI NAGASU, YUJI SUGITA, TOMOKO KASHIWABARA, TADAHIRO OSHIDA

PI NASAYA OBAYASHI, SHIGEMICHI GUNJI, IZUMI OBAYASHI, YUKIHO IMAI,

PI NEI YOSHIDA,

PI KAORU OGAWA, KEIKO MATSUI, EIKI TAKAHASHI, AKIRA YOKOI PC

C12N15/12, C12Q1/68, A6187/08, A61K95/00 CC Description

of Artificial Sequence: Artificially Synthesized CC Primer
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465, a novel gene related to pollen allergy.
BD091752
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BD091774
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Pred. No. 6.7e+02;
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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100.0%; Pred. No. co.
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synthetic construct
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other sequences; artificial sequences.

I (bases 1 to 17)
S Nagaeu.T., Oshida,T., Obayashi,I., Matsui,K. and Sait,H.

Magaeu.T., Oshida,T., Obayashi,I., Matsui,K. and Sait,H.

Method for examination for allergosis
L Patent: WO 0165259-A 7 07-SEP-2001;
GENOX RESERREH INC, JAPAN AS REPRESENTED BY GENERAL DIRECTOR OF
NATIONAL CHILDREN'S HOSPITAL, HIROHISU NAKAUCHI, YUTAKA
OBAYASHI, KEIKO MATSUI, HIROHISA SAITO
OS Artificial Sequence
PD 07-SEP-2001
PP 23-FEB-2001
PP 23-FEB-2001
PP 23-FEB-2000 JP 00P 61832
PR 02-MAR-2000 JP 00P 61832
PI TAKESHI NAGASU, TADAHIRO OSHIDA, IZUMI OBAYASHI, KEIKO MATSUI, PI
synthetic construct

SM synthetic construct

other sequences.

1 (bases 1 to 17)

S Nagasu, T., Oshida, T., Obayashi, I., Matsui, K. and Sait, H.

S Nagasu, T., Oshida, T., Obayashi, I., Matsui, K. and Sait, H.

Method for examination for allergosis

Datent: WO 0165259-A 6 07-SEP-2001,

GENOX RESERCH INC, JAPAN AS REPRESENTED BY GENERAL DIRECTOR OF

NATIONAL CHILDREN'S HOSPITAL, HIROMITSU NAKAUCHI, YUTAKA

FUJIKI, KAZUO FUXKANA, OSAMU KUDO TAKESHI NAGASU, TADAHIRO OSHIDA, IZUMI
OSAYASHI, KEIKO MATSUI, HIROHISA SAITO
OS Artificial Sequence

NW 0165259-A/6

PD 07-SEP-2001

PP 23-FEB-2001 WO 2001JP001372

PR 02-MAR-2000 JP 00P 61832

PI TAKESHI NAGASU, TADAHIRO OSHIDA, IZUMI OBAYASHI, KEIKO MATSUI, PI
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C GO1N33/53,C12Q1/68,C12N15/12,G01N33/15,A01K67/027,A61K39/395,
C A61P37/08
                                                                                                                                                                                                                                                                                                                                                                                                                                  GOIN33/53,C12Q1/68,C12N15/12,G01N33/15,A01K67/027,A61K39/395,
A61P37/08
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Location/Qualifiers
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organism='Artificial Sequence'
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100.0%; Pred. No. 6.7e+02;
tive 0; Mismatches 0;
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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WO 0165259-A/7.
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synthetic construct
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AUTHORS
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WO 0073440-A/4.

Synthetic construct

Synthetic construct

Synthetic construct

other sequences, artificial sequences.

1 (bases 1 to 17)

Synthetic construct

Other sequences, artificial sequences.

1 (bases 1 to 17)

Synthetic construct

Synthetic construct

Synthetic construct

Synthetic construct

Synthetic construct

Synthetic such synthey.

AL passabli. I. mai.Y., Yoshida,N., Ogawa,K., Matsui,K.,

Takahashi, E. and Yokoi,A.

TAKAHASHI, WO OTAAKSHI NOCARUS,YUI SUGITA, TOWKKO KASHIWABARA,

TAMAHIRO OSHIDA, MASAYA OBAYASHI, SHIGEMICHI GUNJI, IZUMI OBAYASHI,

TAKAHASHI AKIRA YOKOI

Synthetic al Sequence

PR NWO 0073440-A/4

PD 07-DEC-2000

PF 18-MAY-2000 WO 2000JP003192

PR 27-MAY-1999 JP 99P 148785

PI TAKESHI NAGASU,YUI SUGITA,TOWKK KASHIWABARA,TADAHIRO OSHIDA,

PI NASAYA OBAYASHI,SHIGEMICHI GUNJI,IZUMI OBAYASHI,YUKIHO IMAI,

PI NASAYA OBAYAHI,SHIGEMICHI GUNJI,IZUMI OBAYASHI,YUKIHO IMAI,

PI NASAYA OBAYAHI,SHIGEMICHI GUNJI,IZUMI OBAYASHI,YUKIHO IMAI,

PI KARON OGAMA,KEIKO MATSUI,EIKI TAKAHASHI,AKIRA YOKOI PC

CI2NIS/12,CI2Q1/68,CI2NIS/08,CI2NIS/06,CO7K14/415 CC PERMER Sequence

RH KRY

LOCATION/QUALIFIEST

CLOANIS/12,CI2Q1/68,CI2NIS/08,CI2NIS/06,CO7K14/415 CC PERMER SEQUENCE

FH KRY

LOCATION/QUALIFIEST
     PI KAORU OGAWA, KEIKO MATSUI, EIKI TAKAHASHI, AKIRA YOKOI PC C12N15/12, C1201/68, C12N5/08, C12N5/06, C07K14/415 CC Description of Artificial Sequence: Artificially Synthesized CC Primer Sequence PH Key
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                                                                                                                                                                                                                                                  Length 17;
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787, a novel gene related to pollen allergy.
BD001175
                                                                                                                                          /organism="synthetic construct"
/mol_type="genomic DNA"
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                                                                                                    Location/Qualifiers
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                                                                                                    FEATURES
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Length 17;

PAT 27-AUG-2002

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GI:23237755
 BD142810.1 GI:232377
WO 0224903-A/4.
synthetic construct
synthetic construct
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synthetic construct
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PN JP
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PF 25-
PI YUJ
TAKESHI
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BD143835/c
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ACCESSION
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GOIN33/50//C12P21/08,(C12N5/10,C12R1:91),(C12P21/02,C12R1:91)
Description of Artificial Sequence:an artificially synthesized
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                                                                                                                                                                                                                                                                                           WO 0224903-A/3.
synthetic construct
synthetic construct
other sequences; artificial sequences.
1 (bases 1 to 17)
Sugita, Y., Hashida, R., Ogawa, K., Fujishima, T., Nagasu, T.,
Tsujimoto, G. and Takahashi, E.
Method of examining allergic disease
Patent: WO 0224903-A 3 28-MAR-2002;
GENOX RESEARCH INC, JAPAN AS REPRESENTED BY GENERAL DIRECTOR OF
NATIONAL CHILDREN'S HOSPITAL, YUJI SUGITA, RYOICHI HASHIDA, KAORU
OGAWA, TOMOKO FUJISHIMA, TAKESHI NAGASU, GOZO TSUJIMOTO, EIKI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Artificial Sequence
WO 0224903-A/3
28-MAR-2002
21-SER-2001 WO 2001JP008246
25-SER-2000 JP 00P 291318
YUJI SUGITA, RYOICHI HASHIDA, KAORU OGAWA, TOMOKO FUJISHIMA,
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/organism='Artificial Sequence'.
Location/Qualifiers
                                                                      0.5%; Score 15; DB 1; Length 17; 100.0%; Pred. No. 6.7e+02; tive 0; Mismatches 0; Indels
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1. .17
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"

    .17
    .07 organism="synthetic construct"
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/db_xref="taxon:32630"

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Method of examining allergic disease.
BD142810
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Method of examining allergic disease.
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OS Arrificial Sequence
PN WO 0224903-A/3
PD 28-MAR-2002
PF 21-SEP-2001 WO 2001JP008246
PR 25-SEP-2000 JP 00P 291318
PI YUJI SUGITA, RYOICHI HASHIDA, KAOI
TAKESHI NAGASU,
PI GOZO ISUJIMOTO, EIKI TAKAHASHI
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PC C12N1
C12Q1/68,
PC A01K6
PC G01N3
PC G01N3
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Best Local Simi
Matches 15;
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ACCESSION
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BD142809/c
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SOURCE
ORGANISM
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DEFINITION
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BD142810/c
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GOIN33/15,
GOIN33/50//C12P21/08,(C12NS/10,C12R1:91),(C12P21/02,C12R1:91)
Description of Artificial Sequence:an artificially synthesized
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GOZO TSUJIMOTO, EIKI TAKAHASHI
C12N15/09,C12N5/10,C07K14/47,C07K16/18,C12P21/02,C12Q1/02, PC
                                                                                                                                                                                                                                                                                             OS Artificial Sequence
N WO 0224903-A/4
PD 28-MAR-2002
PF 21-SEP-2001 WO 2001JP008246
PR 25-SEP-2000 JP 00P 291318
PI YUJI SUGITA, RYOICHI HASHIDA, KAORU OGAWA, TOMOKO FUJISHIMA, PI
TAKESHI NAGASU.
other sequences, artificial sequences.

(therea 1 to 17)

Sugita,Y., Hashida,R., Ogawa,K., Fujishima,T., Nagasu,T.,

Sugita,Y., Hashida,R., Ogawa,K., Fujishima,T., Nagasu,T.,

Sugita,Y., Hashida,R., Ogawa,K., Fujishima,T., Nagasu,T.,

Sugita,Y., Nagasu,T.,

Method of examining allergic disease

Patent: WO 0224903-4 4 28-MAR-2002,

GENOX RESEARCH INC, JAPAN AS REPRESENTED BY GENERAL DIRECTOR OF

NATIONAL CHILDREN'S HOSPITAL, YUJI SUGITA,RYOICHI HASHIDA,KAORU

OGAWA,TOWOKO FUJISHIMA, TAKESHI NAGASU, GOZO TSUJIMOTO,EIKI

TARAHASHI
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Method of examining allergic disease
Patent: JP 2002095500-A 3 02-APR-2002;
GENOX RESEARCH INC, THE DIRECTOR OF NATIONAL CHILDREN'S HOSPITAL
OS Artificial Sequence
PN JP 2002095500-A/3
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25-SEP-2000 JP 2000291316
YUJI SUGITA,RYOICHI HASHIDA,KAORU OGAWA,MASAYA OBAYASHI,
SHI NAQASU,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 and
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1 (bases 1 to 17)
Sugita,Y., Hashida,R., Ogawa,K., Obayashi,M., Nagasu,T.
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Pred. No. 6.7e+02;
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/mol_type="genomic DNA"
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100.0%; Pred. No. v..
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Method of examining allergic disease.
BD143835
BD143835.1 GI:27849593
JP 2002095500-A/3.
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FEATURES

RESULT 891 BD143836/c LOCUS DEFINITION ACCESSION VERSION

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ORGANISM

KEYWORDS SOURCE

REFERENCE AUTHORS

TITLE JOURNAL

COMMENT

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Gaps

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A61K39/395,
PC A01K67/027//C07K16/18,C12N5/10
CC Description of Artificial Sequence:an artificially synthesized
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                                                                                                                                                                                                                                                                         synthetic construct
synthetic construct
other sequences; artificial sequences.

1 (bases 1 to 17)
Sugita,Y., Hashida,R., Ogawa,K., Obayashi,M., Nagasu,T., Saito,H.,
and Takahashi,E.
Method for examination of allergosis
Patent: WO 0233122-A 3 25-APR-2002;
GENOX RESEARCH INC, JAPAN AS, REPRESENTED BY GENERAL DIRECTOR OF
NATIONAL CHILDERN'S HOSPITAL, RINAKO NAKAGAWA YUJI SUGITA,RYOICHI
HASHIDA,KAORU OGAWA,WASAYA OBAYASHI, TAKESHI NAGASU, HIROHISA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HIROHISA SAITO, BIKI TAKAHASHI
C12Q1/68,C12N15/09,G01N33/53,G01N33/50,C12Q1/02,A61K48/00, PC
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synthetic construct
other sequences; artificial sequences.
1 (bases 1 to 17)
Sugite, Y., Hashida, R., Ogawa, K., Obayashi, M., Nagasu, T., Saito, H.
and Tashashi, E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SAITO,EIKI TAKAHASHI
OS Artificial Sequence
PN WO 0233122-A/3
PD 25-APR-2002
PF 11-OCT-2001 WO 2001JP008937
PR 13-OCT-2000 JP 00P 314093
PI YUJI SUGITA,RYOICHI HASHIDA,KAORU OGAWA,MASAYA OBAYASHI, PI
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100.0%; Pred. No. 6.7e+02;
ative 0; Mismatches 0;
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    .17
    ^17 organism="synthetic construct"
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/db_xref="taxon:32630"

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Method for examination of allergosis.
                                                                                                                                                                              17 bp DN/
allergosis.
        Mismatches
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BD167836.1 GI:27873648
WO 0233122-A/3.
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WO 0233122-A/4.
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Best Local Similarity 100.
Matches 15; Conservative
        15; Conservative
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KEYWORDS
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                                                                                                                                                                                                                                                                                                                                       REFERENCE
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                                                                                                                        Description of Artificial Sequence: an artificially synthesized
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PC C12Q1/02,G01N33/15,G01N33/50//C12P21/08,C12N5/00,C12N5/00, PC
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Taujimoto, K.

Method of examining allergic disease
Patent: JP 2002095500-A 4 02-APR-2002,
GENOX RESEARCH INC, THE DIRECTOR OF NATIONAL CHILDREN'S HOSPITAL
OS Artificial Sequence
PN JP 2002095500-A/4
PD 02-APR-2002
PF 25-SEP-2000
PF 25-SEP-2000
PF YUJI SUGITA, RYOICHI HASHIDA, KAORU OGAWA, WASAYA OBAYASHI, P
21201/68,A01K67/027,A61K31/7088,A61K31/711,A61K45/00,A61P37/08,
C07K14/47,
                                                                                C12Q1/02, G01N33/15, G01N33/50//C12P21/08, C12N5/00, C12N5/00,
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                                            C07K16/18, C12N1/15, C12N1/19, C12N1/21, C12N5/10, C12N5/10 PC
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synthetic construct
ther sequences, artificial sequences.
1 (bases 1 to 17)
Sugita,Y., Hashida,R., Ogawa,K., Obayashi,M., Nagasu,T. and
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/organism='Artificial Sequence'.
Location/Qualifiers
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                           DB 1; Length 17;
6.7e+02;
hes 0; Indels
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/organism="synthetic construct"
/mol_type="genomic DNA"
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                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                               1. .17
/organism="synthetic construct"
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BD143836
BD143836.1 GI:27849594
DP 202095500-A/4.
                                                                                                                                                                                                                                                                                                                                                                           0.5%; Score 15; DB 100.0%; Pred. No. 6.7 tive 0; Mismatches
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                                        , C12N15/09, C12P21/02, PC C12n1
                                                                                                                                                              primer
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Best Local Similarity 100.(
Matches 15; Conservative
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Best Local Similarity
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PAT 17-JAN-2003

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JOURNAL

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GOIN33/15,
GOIN33/50//C12P21/08, (C12N5/10,C12R1:91), (C12P21/02,C12R1:91)
Description of Artificial Sequence:an artificially synthesized
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CIZNIS/09,CIZNS/10,C07K14/47,C07K16/18,CIZP21/02,CIZQ1/02, PC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A01K67/027, A61K31/713, A61K4S/00, A61K48/00, A61P17/00, A61P37/08,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Method of examining allergic disease
Method of examining allergic disease
Method 0.0226562-A 8 04-APR-2002;
GENOX RESEARCH INC, JAPAN AS REPRESSIVED BY GENERAL DIRECTOR OF
NATIONAL CHILDREN'S HOSPITAL, MASAKAZU ADACHI KAZUO MIYANKGA YUJI
SUGITA, RYOICHI HASHIDA, KAORU OGAWA, TOMOKO FUJISHIMA, TAKESHI
NAGASU, HIROHISA SAITO
OS ALTIficial Sequence
N WO 0226962-A/8
PD 04-ARP-2002
PP 21-SEP-2001 WO 2001JP008247
PR 26-SEP-2000 JP 00P 293021
PI YUJI SUGITA, RYOICHI HASHIDA, KAORU OGAWA, TOMOKO FUJISHIMA, PI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       other sequences, artificial sequences.
1 (bases 1 to 17)
Sugita,Y., Hashida,R., Ogawa,K., Fujishima,T., Nagasu,T.

    .17
    /organism='Artificial Sequence'.

                                                          .. .17
'organism='Artificial Sequence'
                                                                                                                                                                                                                                 Query Match 0.5%; Score 15; DB 1; Length 17; Best Local Similarity 100.0%; Pred. No. 6.7e+02; Matches 15; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 6.7e+02;
                                                                                                                                           /organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                Location/Qualifiers

    .17
    /organism="synthetic construct"
/mol type="genomic DNA"
/db_xref="taxon:32630"

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Method of examining allergic disease.
BD167909
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synthetic construct
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             sequence
Key
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Matches 15; Conserv
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PC C12N1
C12Q1/68,
PC A01K6
PC G01N3
PC G01N3
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           SEEE
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                                                                                                                           source
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ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 895
BD167909/c
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JOURNAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AUTHORS
                                                                                                 FEATURES
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PC A01K67/027//C07K16/18,C12N5/10
CC Description of Artificial Sequence:an artificially synthesized
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GOIN33/50//C12P21/08, (C12N5/10,C12R1:91), (C12P21/02,C12R1:91)
Description of Artificial Sequence:an artificially synthesized
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C12Q1/68,C12N15/09,G01N33/53,G01N33/50,C12Q1/02,A61K48/00, PC
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Patent: WO 0233122-A 4 25-APR-2002;
GENOX RESEARCH INC, JAPAN AS REPRESENTED BY GENERAL DIRECTOR OF
NATIONAL CHILDREN'S HOSPITAL, RINAKO NAKAGAMA YUJI SUGITA, RYOICHI
HASHIDA, KAORU OGAWA, MASAYA OBAYASHI, TAKESHI NAGASU, HIROHISA
SAITO, EIKI TAKAHASHI
SAITO, EIKI TAKAHASHI
PW WO 0233122-A/4
PD 25-APR-2002
PF 11-OCT-2001 WO 2001JP008937
PF 11-OCT-2000 JP 00P 314093
PR 13-OCT-2000 JP 00P 314093
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Method of examining allergic disease
Method of examining allergic disease
Method of C226962-A 7 04-APR-2002;
GENOX RESEARCH INC, JAPANA AS REPRESENTED BY GENERAL DIRECTOR OF
NATIONAL CHILDREN'S HOSPITAL, MASAKESENTAD ADACHI, KAZUO MIYANAGA YUJI
SUGITA, RYOICHI HASHIDA, KAORU OGAWA, TOMOKO FUJISHIMA, TAKESHI
NGASU, HIROHISAS SAITO
OS Artificial Sequence
N WO 0226962-A/7
D 04-APR-2002
PF 2001 WO 2001JP008247
PR 26-SEP-2000 UP 00P 299021
PR YESP-2000 UP 00P 299021
PR YESP-2000 UP OND 299021
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Location/Qualifiers
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100.0%; Pred. No. 6.7e+02;
ative 0; Mismatches 0;
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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synthetic construct
other sequences, artificial sequences.
1 (bases 1 to 17)
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PI HIROHISA SP
PC C12N15/09,C
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Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              source
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PC A01K6
PC G01N3
PC G01N3
CC Descr
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LOCUS BD167908/c

RESULT 894

ORGANISM ACCESSION VERSION KEYWORDS SOURCE

AUTHORS REFERENCE

JOURNAL

COMMENT

TITLE

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Gaps

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PP 25-APR
PP 28-SEE
PR 131-OCT
PI YUJI S
TAKESHI NAC
PC C12N15
PC C12N15
A61K39/395,
PC C07K44
CC Descri
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VERSION
KEYWORDS
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AUTHORS
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JOURNAL
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                                                                                                                                                                                                     Method for examination for allergosis

Datent: WO 0233069-A 19 25-APR-2002;
GENOX RESERRCH INC, JABAN AS REPRESENTED BY GENERAL DIRECTOR OF
GENOX RESERRCH INC, JABONIAL, TOWOYUKI FUKASAMA, CHUHEI NOJIRI, NOBUO
MATSUHASHI, KOJI NISHIZAMA, YUJI SUGITA, RYOICHI HASHIDA, KAORU
OGAWA, MASYA OBAYASHI, TAKESHI NAGASU, HIROHISA SAITO
OS Artificial Sequence
PN WO 0233069-A/19
PD 25-APR-2002
PP 28-SEP-2001 WO 2001JP008574
PR 13-OCT-2000 JP 00P 314093
PI YUJI SUGITA, RYOICHI HASHIDA, KAORU OGAWA, MASAYA OBAYASHI, PI
TAKESHI NAGASU,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Salto, H.

Method for examination for allergosis
Patent: WO 0233069-A 20 25-ABP-2002.

Batent: WO 0233069-A 20 25-ABP-2002.

MATIONAL CHILDREN'S HOSPITAL, TOMOYUKI FUKASAWA, CHUHEI NOJIRI, NOBUO MATSUHASHI, KOJI NISHIZAWA, YUJI SUGITA, RYOICHI HASHIDA, KAORU OGAWA, MASAYA OBAYASHI, TAKESHI NAGASU, HIROHISA SAITO

PN WO 0233069-A/20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COTX14/47,COTX16/18//C12P21/02,C12P21/08
Description of Artificial Sequence:an artificially synthesized
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                               PAT 17-JAN-2003
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                                                                                                                                                                    Sugita,Y., Hashida,R., Ogawa,K., Obayashi,M., Nagasu,T. and Saito,H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sugita, Y., Hashida, R., Ogawa, K., Obayashi, M., Nagasu, T. and
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/organism='Artificial Sequence'.
Location/Qualifiers
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BD168113.1 GI:27873925
WO 0233069-A/20.
Synthetic construct
synthetic construct
other sequences, artificial sequences.
1 (bases 1 to 17)
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Method for examination for allergosis.
                                              Method for examination for allergosis.
                                                                                                        synthetic construct
synthetic construct
other sequences; artificial sequences.
1 (bases 1 to 17)
                                 17 bp
                                                        BD168112
BD168112.1 GI:27873924
WO 0233069-A/19.
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Best Local Similarity 100.0
Matches 15; Conservative
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BD168113/c
                             LOCUS
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RESULT 896
BD168112/c
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COTX14/47, COTX16/18//C12P21/02, C12P21/08
Description of Artificial Sequence:an artificially synthesized
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Method of examining allergic disease
Patent: WO 0250269-A 3 27-JUN-2002;

Batent: WO 0250269-A 3 27-JUN-2002;

BATIONAL CHILDREN'S HOSPITAL, MASAMICHI TAKAGI,AKINORI OTA YOSHIKO
MATSUMOTO,YUKIHO IMAI,TADAHIRO OSHIDA,YUJI SUGITA, TAKESHI NAGASU,
GOZO TSUJIMOTO
A Artificial Sequence
NWO 0250269-A/3
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CIZNI5/11,CO7K16/18,A61K67/027,A61K31/711,A61K45/00,A61K48/00,
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21-DEC-2001 WO 2001JP011286
21-DEC-2000 JP 00P 389476
YOSHIKO MATSUMOTO, YUKIHO IMAI, TADAHIRO OSHIDA, YUJI SUGITA, PI
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                                                                                                              HIROHISA SAITO
C12N15/09,C12N15/63,C12Q1/68,C12Q1/02,G01N33/53,C12N5/10,
25-APR-2002
28-SEP-2001 WO 2001JP008574
13-OCT-2000 JP 00P 314093
YUJI SUGITA,RYOICHI HASHIDA,KAORU OGAWA,MASAYA OBAYASHI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matsumoto, Y., Imai, Y., Oshida, T., Sugita, Y., Nagasu, T. and
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100.0%; Pred. No. 6.7e+02;
trive 0; Mismatches 0;
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/organism="synthetic construct"
//ool_type="genomic DNA"
/db_xrefe="taxon:32630"
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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synthetic construct
other sequences; artificial sequences.
1 (bases 1 to 17)
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primer sequence
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Best Local Similarity 100.0
Matches 15; Conservative
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                                                                                         NAGASU,
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CS223633/c
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E34259/c
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AUTHORS
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SM synthetic construct
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corpuses; artificial sequences.

I chases 1 to 17)
S matsumoto, Y., Imai, Y., Oshida, T., Sugita, Y., Nagasu, T. and
Trujimoto, G.
Method of examining allergic disease
Datent: WO 0250269-A 4 27-JUN-2002;
GENOX RESEARCH INC, JAPAN AS REPRESENTED BY GENERAL DIRECTOR OF
NATIONAL CHILDREN'S HOSPITAL, MASAMICHI TAKAGI, AKINORI OTA YOSHIKO
MATSUMOTO, YUKIHO IMAI, TADAHIRO OSHIDA, YUJI SUGITA, TAKESHI NAGASU,
GOZO TSUJIMOTO
OS Artificial Sequence
PD 27-JUN-2002
PD 27-JUN-2002
PP 21-DEC-2001 WO 2001JP011286
PR 21-DEC-2000 JP 00P 389476
PR 21-DEC-2000 JP 00P 389476
PR 21-DEC-2000 JP 00P 389476
PR 21-DEC-2000 JP 00P JPALINAI, TADAHIRO OSHIDA, YUJI SUGITA, PI
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C12N15/11,C07K16/18,A61K67/027,A61K31/711,A61K45/00,A61K48/00,
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C12Q1/68,G01N33/50
Description of Artificial Sequence:'G715G', an artificially
synthesized
                                  Gaps
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Location/Qualifiers
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    Length 17;
                                                                                                                                                                       linear
                               0; Indels
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Query Match
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Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 15; Conservative 0; Mismatches 0;
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/organism="synthetic construct"
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/db_xref="taxon:32630"
                                                                                                                                                               Method of examining allergic disease.
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synthetic construct
other sequences; artificial sequences.
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WO 0250269-A/4.
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N E34259

N E34259.1 GI:18624264

JP 2000106879-A/3.

Synthetic construct

synthetic construct

coher sequences; artificial sequences.

E 1 (bases 1 to 1).

S Nagasu, T., Sugita, Y., Kashiwabara, T., Oshida, T., Obayashi, M., Gunji, S., Obayashi, I., Imai, Y., No, N. and Ogawa, K.

Pollinosis-associated gene

D Patent: JP 2000106879-A 3 18-APR-2000;

GENOX RESEARCH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Immunostimulatory nucleic acids for inducing il-10 responses Patent: WO 2005111057-A 32 24-NOV-2005;
Coley Pharmaceutical GmbH (DE); Coley Pharmaceutical Group, Inc. (US)
Patent: WO 2005111057-A 31 24-NOV-2005;
Coley Pharmaceutical GmbH (DE); Coley Pharmaceutical Group, Inc.
(US)
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                                                                                                     1..17
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/note="where the linkages between bases are
phosphorothioate linkages"

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100.0%; Pred. No. 6.7e+02;
tive 0; Mismatches 0; Indels
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/db xref="taxon:32630"
/note="Synthetic oligonucleotide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CS223633 17 bp DNA Sequence 32 from Patent WO2005111057. CS223633 CS223633.1 GI:83684844
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synthetic construct
other sequences; artificial sequences.
                                                                            Location/Qualifiers
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unidentified
Takamichi,M., Tsuyoshi,F., Masaharu,K., Takashi,I. and Kazunori,O.
Method for preparing nucleic acid sample for analyzing minor gene,
nucleic acid sample thus prepared and method for analyzing nucleic
for using the same
for using the same
Patent: JP 2000037193-A 3 08-FEB-2000;
Unidentified
OS Unidentified
                                  Method for preparing nucleic acid sample for analyzing minor gene, nucleic acid sample for analyzing minor gene, acid sample thus prepared and method for analyzing nucleic acid sample by using the same, and reagent kit and analysis service for using the same.
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1 (bases 1 to 17)

1 (bases 1 to 17)

2 (bases 1 to 17)

3 (bases 1 to 17)

4 (bases 1 to 17)

5 (bases 1 to 17)

6 (bases 1 to 17)

7 (bases 1 to 17)

8 (bases 1 to 18)

8 (bases 1 to 18)
                                                                                                                                                                                                                                                                                                                                                                                                                                                    TAKAMICHI MATSUMURA, TSUYOSHI FUJITA, MASAHARU KIYAMA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.5%; Score 15; DB 1; Length 17; 100.0%; Pred. No. 6.7e+02;
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100.0%; Pred. No. 6.7e+02;
tive 0; Mismatches 0;
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6346398.
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/organism="unknown"
/mol_type="unassigned DNA"
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Strandedness: Single;
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/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
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Sequence 2549 from patent
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08-FEB-2000
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E59657.1 GI:13019451
JP 2000037193-A/3.
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PI KAZUNORI OKANO
PC CI2NIS/09,C12Q1/
CC Strandedness: Si
CC Topology: Linear
FH Key
FT source
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MASAYA OBAYASHI,SHIGEMICHI GUNJI,IZUMI OBAYASHI,YUKIHO IMAI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NING NO,
KAORU OGAWA
C12N15/09, A61K31/00, A61K39/36, A61K45/00, C12Q1/68, C12N15/00 CC
                                                                                   TAKESHI NAGASU,YUJI SUGITA,TOMOKO KASHIWABARA,TADAHIRO OSHIDA,
MASAYA OBAYASHI,SHIGEMICHI GUNJI,IZUMI OBAYASHI,YUKIHO IMAI,
                                                                                                                                   KAORU OGAWA
CI2N15/09,A61K31/00,A61K39/36,A61K45/00,C12Q1/68,C12N15/00 CC
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Sprince Construct
Smythetic construct
Smythetic construct
Coher sequences; artificial sequences.

L (bases I to 17)
Sugasu, T., Sugita, Y., Kashiwabara, T., Oshida, T., Obayashi, M., Pollinosis-associated gene
Pollinosis-associated gene
L Patent: JP 2000106879-A 4 18-APR-2000;
S Artificial Sequence
PN JP 2000106879-A/4
PD 18-APR-2000
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    17
    Organism="synthetic construct"
|mol_type="genomic DNA"
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/organism="synthetic construct"
/mol_type="genomic DNA"
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Artificial Sequence
JP 2000106879-A/3
18-APR-2000
06-OCT-1998 JP 1998284610
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E34260
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PAT 20-APR-2002

Gaps ö PAT 10-APR-2003

Matches

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REFERENCE AUTHORS

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FEATURES

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Unclassified.

1 (bases 1 to 17)

Muramatsu.T., Fujita,T., Kiyama,M., Irie,T. and Okano,K.

Preparation method of nucleic acid sample for rare expressed genes and analyzing method using the prepared nucleic acid samples
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  l (bases 1 to 17)
Pavco.P. McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
Patent: US 656127-A 1073 20-MAY-2003;
Ribozyme Pharmaceuticals, Inc. and Chiron Corporation; Boulder, CO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 (bases 1 to 17)
McClelland,M., Welsh,J. and Trenkle,T.
McClelland,M., Welsh,J. and Trenkle,T.
Seduced complexity nucleic acid targets and methods of using same Patent: US 6495319-A 64 17-DEC-2002;
Sidney Kimmel Cancer Center; San Diego, CA;
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6.7e+02;
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Sequence 64 from patent US 6495319.
AR266626
AR266626.1 GI:29695690
                                                                                                 Patent; US 6485916-A 3 26-NOV-2002;
Hitachi, Ltd.; Tokyo;
JPX;
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/organism="unknown"
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Unknown.
Unclassified.
I (bases 1 to 17)
1 avco, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J.
Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6346398-A 2552 12-FEB-2002;
Location/Qualifiers
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Garner, H.R., Wren, J.D., Minna, J.D. and Fondon, J.W. III.
Polymorphic repeats in human genes
Patent: US 6472154-A 118 29-OCT-2002;
Board of Regents, The University of Texas System; Austin,
Location/Qualifiers
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Sequence 2552 from patent US 6346398.
AR187064.1 GI:20233029
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Sequence 118 from patent US 6472154.
AR241830.1 GI:27287642
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Sequence 3 from patent US 6485916.
AR256849
AR256849.1 GI:27306475
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AR241830/c

REFERENCE AUTHORS TITLE JOURNAL

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RESULT 908 AR256849/c

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Query Match

AR323674/c LOCUS ACCESSION VERSION KEYWORDS SOURCE ORGANISM

RESULT 911

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PAT 15-DEC-2004

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Daveo, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J. Pavco, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J. Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6818447-A 1073 16-NOV-2004; Sirna Therapeutics, Inc.; Boulder, CO
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Barco, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J.

Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6818447-A 1076 16-NOV-2004;

Sirna Therapeutics, Inc.; Boulder, CO

Location/Qualifiers
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1 (bases 1 to 17)
Ishiwata, T., Sakurada,M., Nishimura,A., Nakagawa,S., Nishi,T.,
Kuga,T., Sawada,S. and Takei,M.
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tive 0; Mismatches 0;
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                          Sequence 1073 from patent US 6818447.
AR597131
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US 6818447.
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AR614734
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Sequence 1076 from patent
AR597134
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Best Local Similarity 100.0%; P;
Matches 15; Conservative 0;
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1 (bases 1 to 17)
Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6566127-A 1076 20-MAY-2003;
Ribozyme Pharmaceuticals, Inc. and Chiron Corporation; Boulder, CO
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Ishiwata, T., Sakurada, M., Kawabata, A., Nakagawa, S., Kuga, T.,
Ishiwata, T., Sakurada, M., Nagase, T., Sawada, S. and Takei, M.
Nishi, T., Nomura, N., Nagase, T., Sawada, S. and Takei, M.
DNA encoding IGA nephropathy indicating protein
Patent: US 6790944-A 4 14-SEP-2004;
Kyowa Hakko Kogyo Co., Ltd. and Kazusa DNA Research Institute
Foundation; Tokyo;
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larity 100.0%; Pred. No. 6.7e+02;
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100.0%; Pred. No. 6.7e+02;
/ative 0; Mismatches 0;
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Sequence 1076 from patent US 6566127.
AR3231674
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AR581586
AR581586.1 GI:56613009

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RESULT 912

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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
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Ishiwata, Y., Sakurada, M., Kawabata, A., Nakagawa, S., Nishi, T.,
Kuga, T., Sawada, S., Takei, M., Shibata, K. and Furuya, A.
IgA nephropathy-related DNA
Patent: US 6962984-A 109 08-NOV-2005;
Nihon University; Tokyo;
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Sequence 109 from patent US 6962984.
AR763501. GI:83336741
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Ishiwata,T., Sakurada,M., Nishimura,A., Nakagawa,S., Nishi,T.,
Kuga,T., Sawada,S. and Takei,M.
IGA nephropathy-related genes
Patent: US 6828428-A 107 07-DEC-2004;
Kyowa Hakko Kogyo Co., Ltd.; Tokyo;
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Ishhwata,T., Sakurada,M., Kawabata,A., Nakagawa,S., Nishi,T.,
Ishhwata,T., Sakurada,M., Shibata,K. and Furuya,A.
Kuga,T., rand Furuya,A.
Fuga nephropathy-related DNA
Patent: US 6962984-A 108 08-NOV-2005;
Nihon University; Tokyo;
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IGA nephropathy-related genes
Patent: US 6828428-A 106 07-DEC-2004;
Kyowa Hakko Kogyo Co., Ltd.; Tokyo;
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Sequence 107 from patent US 6828428.
AR614735 GI:56671118
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AR763500
AR763500.1 GI:83336740
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
Hominidae, Homo.
                                                                                                   Eukaryota; Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
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Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini,
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Human udp-galnac:polypeptide n-acetylgalatosaminyltransferase 10

Patent: EP 1243660-A 654 25-SEP-2002;

Aeomica, Inc. (US)

Location/Qualifiers
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Human udp-galnac:polypeptide n-acetylgalatosaminyltransferase 10
Patent: EP 1243660-A 653 25-SEP-2002;
Aeomica, Inc. (US)
Location/Qualifiers
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    117
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    /db_xref="taxon:9606"

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    /organism="Homo sapiens"
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Sequence 654 from Patent BP1243660.
AX545141
Sequence 653 from Patent EP1243660.
AX545140
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                                      AX545140.1 GI:25810351
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
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"B 3000037190-4/20.

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Guo,J.
Human prostate cancer candidate protein 1
Patent: WO 03050284-A 160 19-JUN-2003;
Amersham Biosciences (SV) Corp. (US)
Location/Qualifiers
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0.5%; Score 15; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 6.7e+02;
Matches 15; Conservative 0; Mismatches 0;
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Human prostate cancer candidate protein
Patent: WO 03050284-A 163 19-UUN-2003;
Amersham Biosciences (SV) Corp. (US)
Location/Qualifiers
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Seguence 163 from Patent WO03050284.
AX781832
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Search completed: November 7, 2006, 10:21:54
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                            C12P21/02,C12P21/08//(C12N5/10,C12R1:91),(C12P21/08,C12R1:91),
C12N15/00,
 C12N15/09, C07K14/47, C07K16/18, C12N1/19, C12N1/21, C12N5/10, PC
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C12N15/09, C07K14/47, C07K16/18, C12N1/19, C12N1/21, C12N5/10, PC
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JP 2000037190-A/21.
synthetic construct
synthetic construct
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cher sequences, artificial sequences.
1 (bases 1 to 18)
Jun,N., Yusuke,N. and Toshihiro,T.
Mammal-derived tissue specific physiologically active protein
patent: JP 2000037190-A 21 08-FEB-2000;
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C12N5/00,C12N15/00,(C12N5/00,C12R1:91)
                                                           C12N5/00, C12N15/00, (C12N5/00, C12R1:91)
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                                                                                          Location/Qualifiers
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Sequence 1 from patent US 6828142.
AR613537 GI:56669579
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JP 2000037190-A/21
08-FEB-2000
23-JUL-1998 JP 1998225228
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                      1 (bases 1 to 18)
Barbers-Guillem, B., Nelson, M.B. and Castro, S.L.
Polynucleotide strands operably linked to nanocrystals
functionalized to be water soluble
Patent: US 6828142-A 1 O7-DEC-2004;
Bio-Pixel Lud.; Westerville, OH
Location/Qualifiers
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Barbera-Guillem,E., Nelson,M.B. and Castro,S.L.
Polymucleoride strands operably linked to nanocrystals functionalized to be water soluble
Patent: US 6828142.A. 2 O7-DEC-2004;
Bio-Pixel Lide; Westerville, OH
Location/Qualifiers
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